Draft Subsequent Environmental Impact Report Appendices

Mitsubishi Cement Corporation at Warehouse C

Volume II of II

Prepared for:

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December 2019

(UPD #EIR-2016-178; SCH #2017091051)

Appendix A

Initial Study/Environmental Checklist

San Diego Unified Port District
P.O. Box 120488
San Diego, California 92112-0488
(619) 686-6291

NOTICE OF PREPARATION
of a
DRAFT ENVIRONMENTAL IMPACT REPORT

PROJECT TITLE: **MITSUBISHI CEMENT CORPORATION AT WAREHOUSE C: BULK CEMENT WAREHOUSE AND LOADING FACILITY PROJECT (UPD #EIR-2016-178)**

APPLICANT: Mitsubishi Cement Corporation

LOCATION: 645 Switzer Street, City of San Diego, in San Diego County, California

REFERENCE: California Code of Regulations, Title 14, Sections 15082(a), 15103, 15375

The San Diego Unified Port District (District) will be the Lead Agency in preparing a Subsequent Environmental Impact Report (SEIR) for the project identified above (Proposed Project, or Project). The District is soliciting input and feedback from various agencies, stakeholders, and the public pertaining to the scope and content of the environmental information that will be included in the SEIR. For certain agencies, this may be germane to statutory responsibilities in connection with the Proposed Project. An agency may need to use the Proposed Project's SEIR when considering its permit or other approval for the Project. The Project description, location, and possible environmental effects of the Proposed Project are contained in the attached materials.

Due to the time limits mandated by state law, your comments must be sent at the earliest possible date but no later than 30 days after issuance of this notice. **Comments regarding environmental concerns will be accepted until 5:00 p.m. on Wednesday, October 18, 2017**, and should be mailed to: San Diego Unified Port District, Development Services Department, Attn: Kelly Czechowski, Senior Planner, P.O. Box 120488, San Diego, CA 92112-0488 or emailed to: kczechowski@portofsandiego.org.

A public scoping meeting regarding the proposed SEIR will be held on Wednesday, September 27, 2017 at 5:00 p.m. at the San Diego Unified Port District Administration Building, Training Room, 3165 Pacific Highway, San Diego, CA 92101.

For questions on this Notice of Preparation, please contact Kelly Czechowski, Senior Planner, at (619) 686-7213.

Signature: Wileen C Manaois Date: 9/14/17

Wileen C. Manaois
Director, Development Services

Issuance Date: September 18, 2017

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San Diego Unified Port District
P.O. Box 120488
San Diego, California 92112-0488
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NOTICE OF PREPARATION
of a
DRAFT ENVIRONMENTAL IMPACT REPORT FOR THE
MITSUBISHI CEMENT CORPORATION AT WAREHOUSE C:
BULK CEMENT WAREHOUSE AND LOADING FACILITY PROJECT
(UPD #EIR-2016-178)

Publication of this Notice of Preparation (NOP) initiates the San Diego Unified Port District's (District's) compliance with the California Environmental Quality Act (CEQA) for the Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project (Proposed Project, or Project). The NOP is the first step in the Environmental Impact Report (EIR) process and will in most cases establish the baseline for the environmental setting. It describes the Proposed Project and is distributed to responsible agencies, trustee agencies, cooperating federal agencies, and the general public. As stated in State CEQA Guidelines Section 15375, the purpose of the NOP is "to solicit guidance from those agencies as to the scope and content of the environmental information to be included in the EIR." The District is the CEQA lead agency and the Project Applicant/Proponent is the Mitsubishi Cement Corporation (Mitsubishi or Applicant).

TIERING FROM PROGRAM EIR

Consistent with Section 15152 of the State CEQA Guidelines, the Subsequent EIR (SEIR) for the Project will tier-off of the Tenth Avenue Marine Terminal (TAMT) Redevelopment Plan and Demolition and Initial Rail Component (Redevelopment Plan) and the Final Program EIR (PEIR) for the Redevelopment Plan (State Clearinghouse Number 2015031046; Clerk Document Number 65901), certified and adopted by the Board of Port Commissioners in December 2016, by Resolution Numbers 2016-199 and 2016-200, respectively. The Draft PEIR, Final PEIR, associated Mitigation, Monitoring and Reporting Program (MMRP), CEQA findings, including a Statement of Overriding Consideration, are incorporated herein by reference (see State CEQA Guidelines Section 15150) and are available at https://www.portofsandiego.org/environment/environmental-downloads/land-use-planning.html and at the Office of the District Clerk located at 3165 Pacific Highway, San Diego, CA 92101.

PROJECT SUMMARY

The Proposed Project site is located at 645 Switzer Street (Warehouse C) on the District's TAMT. The Proposed Project involves two phases of improvements to Bays C-7 through C-10 of Warehouse C for the receipt, storage, and distribution of cement and cementitious materials including, but not limited to, cement, slag, fly ash, and pozzolans. At maximum operation, the Proposed Project would be able to import and distribute up to 600,000 metric tons per year (MT/yr) of cementitious material. The cementitious material would be pneumatically unloaded into Warehouse C from dry bulk cargo ships using mobile vacuum unloaders. At maximum operation there would be up to 24 vessel calls per year at Berths 10-7/10-8. No in-water construction activities would be required for implementation of the Proposed Project. The operational lifetime of the Proposed Project would be anticipated to be 15 years following District approval based on a lease or similarly binding agreement with the District. The term of that agreement will be five (5) years with two five (5) year options to extend, for a maximum total of 15 years. Approval of the Proposed Project would also require issuance of a Coastal Development Permit (CDP) by the District prior to development and operation.

PROJECT LOCATION

The Proposed Project site is located at 645 Switzer Street on the District's TAMT. The TAMT is located along San Diego Bay, south of downtown San Diego, east of the San Diego Convention Center and the Hilton San Diego Bayfront Hotel, and adjacent to the San Diego community of Barrio Logan. Harbor Drive is located near the northern boundary of the TAMT. Site access from Harbor Drive is provided primarily from Cesar E. Chavez Parkway, which becomes Crosby Road as it approaches the TAMT.

Major circulation facilities in the area include State Route 75 (SR 75), also known as the Coronado Bridge, approximately 0.25 mile to the south, and Interstate 5 (I-5), approximately 0.5 mile to the north. Figure 1 provides a regional map of the Proposed Project's location. Figure 2 provides an aerial view of the Proposed Project site.

PROJECT DESCRIPTION

The Proposed Project involves phased modifications to Bays C-7 through C-10 of Warehouse C to import and distribute up to 600,000 MT/yr of cementitious material. The cementitious material would be pneumatically unloaded into Warehouse C from dry bulk cargo ships using up to two 400 MT per hour mobile vacuum unloaders at maximum operation. The vessels would use Berths 10-7/10-8, as shown in Figure 3.

The Proposed Project is located in Planning District 4, the TAMT, which is delineated on Precise Plan Map Figure 13 of the certified Port Master Plan (PMP). The PMP land use designation within the limits of the Proposed Project is Marine Terminal. Bays C-7 through C-10 are located on the western end of Warehouse C. Other warehouses are located to the south, north, and east sides of Warehouse C. A group of storage silos is located directly northeast of Warehouse C with a railroad yard and auto distribution facility located farther northeast. Non-industrial land uses nearest to the Project site include: a residence, approximately 2,200 feet to the east; Perkins Elementary School, approximately 1,700 feet to the northeast; and Cesar Chavez Park and Pier, approximately 1,500 feet to the southeast. The entire TAMT area is highly industrialized in character, and no general public access is permitted within the TAMT area.

Bays C-7 and C-9 are currently vacant. Bays C-8 and C-10 are currently occupied by a District tenant and used for the storage of bauxite. It is anticipated that the bays adjacent to the Project site would continue to be used for similar operations until such time that Warehouse C is demolished, as addressed in the previously approved and certified TAMT Redevelopment Plan and the Final PEIR for the Redevelopment Plan. The timeframe for demolition is unknown, but likely would not occur within the next 15 years while Mitsubishi occupies the Bays. With the District's approval, the Proposed Project's interim uses would include a term of up to five years with two five year options, for a total term of up to 15 years. At the end of the lease term, Mitsubishi would be responsible for the removal of all equipment and improvements within the Project Site. Consistent with State CEQA Guidelines Section 15168(c) and (d), the Proposed Project requires subsequent environmental review, but may tier off of the Final PEIR for the TAMT Redevelopment Plan.

PROJECT CONSTRUCTION

There are two Project options to be analyzed in the SEIR, both of which have alternative construction scenarios. Under either of these options, operational throughput of materials and other operational characteristics would remain the same. Option A proposes truck loading inside Warehouse C and Option B proposes truck loading outside of Warehouse C. Under Option A (interior truck loading) and Option B (exterior truck loading), there are two sub-options related to the proposed ship to warehouse unloading pipelines. As shown in Figure 4, Sub-Option 1 (Subterranean Pipeline) would allow for cementitious material to be pneumatically transferred to Warehouse C via a subterranean unloading pipeline. As shown in Figure 5, Sub-Option 2 (Overhead Pipeline) would allow for cementitious material to be pneumatically transferred to Warehouse C via an overhead unloading pipeline. The pipeline alignment would be the same under both sub-options as shown in Figure 3.

Construction of Option A1 (Truck loading inside Warehouse C with the subterranean unloading pipeline) would require a worst case maximum excavation of approximately 10,460 cubic yards (cy) of material. Option B1 (Truck loading outside Warehouse C with the subterranean unloading pipeline) would require a maximum excavation of 9,420 cy of material. Total excavation activities for Option A and Option B are detailed in Table NOP-1.

Table NOP-1. Summary of Excavation Activities (cubic yards)

Construction Option	Excavation	Backfill	Imports	Spoils
Option A (Interior Truck Loading) – Per Phase	9,760	1,500	8,600	Soil: 9,760 Asphalt: 1,780
Option B (Exterior Truck Loading) – Per Phase	8,720	900	8,000	Soil: 8,720 Asphalt: 150
Sub-Option 1 (Subterranean Pipeline)	700	600	70	Soil: 100 Asphalt: 100
Sub-Option 2 (Overhead Pipeline)	230	0	0	Soil: 230 Asphalt: 30

Regardless of which options are implemented, construction of the Proposed Project would occur in two phases (Phase I and Phase II). Bays C-7 and C-9 are anticipated to be upgraded first (Phase I), followed by Bays C-8 and C-10 (Phase II). The improvements would involve five principal construction activities including: (1) concrete demolition and excavation; (2) foundation and concrete pouring; (3) roof demolition and repair; (4) installation of mechanical equipment; and, (5) electrical tie-ins. The improvements would take an estimated seven to ten months to complete. Upon completion of Phase I, the Proposed Project would have a maximum throughput of 600,000 MT/yr of cementitious material, which is considered the worst case scenario for CEQA purposes.

Phase I of the Proposed Project would involve improvements to Bays C-7 and C-9. The improvements would include:

- Sealing the bays to prevent cementitious material loss through joints and seams;
- Installing a truck loading rack either inside or outside Bay C-7 equipped with two 200 MT silos with dust control truck loading spouts (Figures 6 and 7);
- Installing one truck scale;
- Installing piping to each bay to pneumatically transfer cementitious material from the dock to the warehouse (Figures 8 and 9);
- Installing a reclaim hopper, air slide, screw conveyor, and bucket elevator in the truck loading areas to mechanically transfer cementitious material to the silos (Figures 8 and 9);
- Potential structural upgrades to the roof of Warehouse C, installation of roof-mounted piping, and a berth-side unloader for the pneumatic transfer of cementitious material from ships to the cementitious material storage areas (Figure 3);
- Installing two 26,000 cubic feet per minute dust collectors to control dust emissions from the storage areas and truck loading racks (Figures 2 and 3); and,
- Upgrading electrical equipment to support the electrical demand of the Proposed Project's operation.

Phase II improvements to Bays C-8 and C-10 would be anticipated to begin two to three years after Phase I is operational. These improvements would be identical to those undertaken for Bays C-7 and C-9, and require seven to ten months to implement (Figures 10 and 11). At the conclusion of Phase II, the maximum annual throughput would remain the same; however, the additional equipment and storage would allow more flexible operations (e.g., store multiple cementitious materials concurrently) and improved ability to respond to seasonal and other market fluctuations.

Because the Proposed Project's construction would be undertaken in phases, its implementation would also involve the installation of temporary construction modular buildings and utilities within Warehouse C, as well as their removal upon completion of construction of Phase II.

All modifications would be made within the existing footprint of the Warehouse C and areas immediately adjacent to the warehouse. Bays C-7 through C-10 have a combined gross floor area of 192,000 square feet. The roof height would remain unchanged; however, the silos and dust collector would extend above the existing roof height. The tallest units would be the dust collector stacks at approximately 40 feet above

the roof; the equipment added to the roof would have a total maximum height of approximately 75 feet above grade.

The excavated area for the truck loading racks would be compacted and capped with reinforced concrete to support trucks and the warehouse area would be excavated compacted and filled with structural fill and capped with reinforced concrete to support equipment and cementitious material. It is not expected that the Proposed Project would change the amount of impervious surface or alter the Project area's existing drainage patterns.

Irrespective of the options selected, the Proposed Project includes implementation of the recommendations made in the Project's Geotechnical Report, as a project feature (see Appendix A). The detailed design would incorporate requirements of the City of San Diego's ordinances (e.g., grading), the California Building Code (e.g., seismic standards), and American Society for Testing and Materials (ASTM) standards. Depending on which option is chosen, the removal of existing surface material, excavation of existing fill, and replacement with compacted fill with an Expansion Index of 50 or less may be necessary to provide the proper foundation for the Proposed Project's activities. Saturated subgrades are proposed to be treated in accordance with the Geotechnical Report's recommendations. All fill and backfill would be compacted to meet the 95 percent criterion of the maximum dry density per ASTM Standard D1557. Imported fill would be tested for soil characteristics for optimum compaction as specified in the Geotechnical Report. Any cement slurry used in lieu of structural fill would be sampled and tested pursuant to Chapter 5 of the American Concrete Institute Building Code ACI318.[1]

To support the Project truck loadouts, between 30 and 40 piles per truck loadout spaced 12 to 14 feet center to center would be installed. The piles would be installed to at least 45 feet below grade and up to 90 feet below grade. The piles are expected to be one of three pile types: (1) auger cast; (2) cast-in-drilled hole; or (3) driven, if rig access is available.

The soil borings collected for the Project's Geotechnical Report did not indicate the presence of expansive soils and they indicate negligible potential for sulfate attack; therefore, special measures are not anticipated to be taken for these considerations. However, the on-site soils were found to be corrosive to buried metals, so standard measures would be taken to protect against corrosion.

No outdoor lighting would be required during construction activities, which are expected to occur during daylight hours. No nighttime construction activities are expected. Equipment used for construction would be matte finished.

No changes would be made to on-site parking. A number of parking spaces are available within the TAMT; however, the majority of these parking spaces are not marked in order to provide maximum flexibility for existing operations. The area immediately adjacent to the east side of Warehouse C could accommodate up to 85 passenger vehicles, and are proposed to service the Project.

No changes to the Project site's existing drainage system are proposed; only domestic waste would be discharged into the existing sewer system. Additionally, no changes to the existing piles at Berths 10-7/10-8 are proposed, and no in-water activity, such as dredging or fill, would be required.

The estimated maximum number of on-site construction personnel would be 50. The workforce would be anticipated to be drawn from the local region.

PROJECT OPERATIONS

As noted under "Project Construction," above, the Proposed Project would be implemented in two phases. The facility would become operational following the completion of Phase I construction and have a maximum loading, storage, and distribution capacity of 600,000 MT/yr. Once Phase I throughput increases, and based upon market demand, Phase II construction would occur. At the conclusion of Phase II, the maximum annual throughput proposed by the Applicant would remain the same; however, the additional equipment and storage would allow more flexible operations and improved ability to respond to seasonal and other

[1] Project features associated with the Project's Geotechnical Report would be incorporated into the Coastal Development Permit special provisions section.

market fluctuations. The Proposed Project's 600,000 MT annual throughput would be considered new throughput, over and above the dry bulk throughput of 289,864 MT/yr identified in the TAMT Final PEIR as part of existing baseline conditions. It should be noted that the previously approved and certified TAMT Final PEIR contemplated 1,987,500 MT/yr of dry bulk throughput for the ultimate buildout of TAMT.

At maximum operation, the Proposed Project would be able to unload and distribute up to 600,000 MT of cementitious material annually. The demand for cementitious material fluctuates due to seasonal and economic drivers. However, at full throughput, it is estimated that the facility would generate an estimated 24,000 round-trip truck trips per year. Based on a 600,000 MT/yr throughput and using trucks with a carrying capacity of 25 MT over 365 days, an annual average of 66 round-trip truck trips per day is anticipated. However, based on maximum loading capabilities, the maximum number of round-trip truck trips from the Proposed Project site would be 176 per day on a peak day, but no more than 145 trucks per day on a 30-day rolling average.

It is estimated that up to 24 vessel calls per year at Berths 10-7/10-8 would occur. Depending on market availability, the origins of the vessels would be anticipated to be Asia, South America, and Mexico. The vessels would be dry-bulk ocean-going vessels with a minimum holding estimated at 20,000 MT to a maximum holding capacity of an estimated 40,000 MT deadweight tonnage (DWT). At maximum operation, it is anticipated that each vessel would be at berth for 168 hours (seven days), and that two 400 MT unloaders would be used. The vessels would hotel at the berths continuously; however, actual unloading activities would occur for up to 20 hours per day in two work shifts. Table NOP-2 provides a summary of at-berth vessel operations.

Table NOP-2. Summary of At-Berth Vessel Operations (annual)

Proposed Project Phase	Unloader Size (Metric Tons)	Hours at Berth[a]	Weight of Material Received	Number of Vessels
Phase I (Interim Operation (600,000 MT))	One (1) 200	144 to 216	20,000 MT to 40,000 MT	12 to 24
	One (1) 200 and One (1) 400 MT	144 to 192	20,000 MT to 40,000 MT	12 to 24
	Two 400 MT	120 to 168	20,000 MT to 40,000 MT	12 to 24
Phase II (Maximum Operation (600,000 MT))	One (1) 200 and One (1) 400 MT	144 to 192	20,000 MT to 40,000 MT	12 to 24
	Two (2) 400 MT	120 to 168	20,000 MT to 40,000 MT	12 to 24

[a] At Phase I, when one (1) 200 MT is in use, and 40,000 MT weight of material is received, it is anticipated that each vessel would be at berth for up to 216 hours. At completion of Phase II when two (2) 400 MT unloaders are in use, and 40,000 MT weight of material is received, it is anticipated that each vessel would be at berth up to 168 hours.

The Proposed Project would require one full-time supervisor and up to three maintenance staff workers at all times, for a total of four onsite workers. Vessel unloading and truck loading operations are considered independent activities that may either occur at different times or simultaneously. During truck loading operations up to three additional workers would be required, for a total of seven onsite workers per shift. During ship unloading operations, up to 16 workers per shift would be required. When vessel unloading and truck loading occur at the same time up to 20 workers would be required, for a total of 24 onsite workers per shift for two shifts per day.

During simultaneous operations, the Proposed Project would operate up to 20 hours per day for marine vessel unloading in two shifts for dock workers (7:00am to 5:00pm and 5:00pm to 3:00am), and 24 hours per day for Mitsubishi staff for truck loading. Based upon the California Emissions Estimator Model, on average, onsite workers would be expected to come from the San Diego area with a commute distance approximately 10.8 miles, one-way. Therefore, a daily commute of 10.8 miles each way by the maximum of 24 workers over two shifts would total approximately 519 vehicle miles traveled per day by workers' commute vehicles.

The Proposed Project would be designed to service the San Diego area and the maximum expected truck trip length during normal operating conditions is assumed to be 124 miles per round trip. On a peak operation day, the Project would generate a maximum of 21,824 truck miles per day for 176 trucks. The maximum daily truck mileage would not occur every day. Daily truck visits would vary based on market demand, and the Project would not exceed 145 trucks per day on a 30-day rolling average. The exact locations served would be dependent on customer needs and are expected to be within the assumed 62 mile one-way distance, which encompasses the majority of the densely populated areas in San Diego County. Beyond 62 miles, areas are expected to be more efficiently supplied by other sources of cement. The annual maximum facility throughput of 600,000 MT would equate to 24,000 truck trips per year. For the purposes of the Proposed Project's environmental analysis, a worst case scenario of 24,000 truck trips per year has been assumed.

The truck fleet visiting the Proposed Project site would comply with the District's Clean Truck Program, which requires all trucks visiting the District to meet the California Air Resources Board's (CARB's) emissions standards. The trucks would follow the District's prescribed transportation routes to access and exit the facility to minimize effects on the surrounding community.

The Proposed Project would augment existing exterior lighting with lighting on the proposed equipment necessary to provide adequate illumination to safely access the equipment and provide security. All new lighting would be aimed toward the facility with the necessary shrouds to limit spill light. New equipment would be matte finished to eliminate glare.

The Proposed Project involves minimal potable water use. However, a small quantity of compressor condensate is expected to be generated that would discharge to the sanitary sewer. Therefore, no water treatment processes are proposed. In addition, cementitious material from the ship would be transferred to storage pneumatically through piping to a sealed building having emissions control, which would provide for minimal loss of cementitious material during handling.

The Proposed Project would be expected to routinely generate small quantities of office trash. Periodically, bags from the dust collector would require change out (once every few years). All solid waste would be expected to be transported to a local landfill.

The Proposed Project's portion of Warehouse C is serviced by two fire hydrants, one each on the water and land sides of the building. The Proposed Project involves the storage of cement and cementitious like materials which is noncombustible. Therefore, no additional fire protection would be required during either construction or operation.

PROJECT ENVIRONMENTAL REVIEW ASSUMPTION

As described above, the District adopted the Final PEIR for the TAMT Redevelopment Plan and Demolition and Initial Rail Component (State Clearinghouse Number 2015031046) on December 13, 2016.

The Sustainable Terminal Capacity Alternative (STC Alternative), a reduced project alternative, was adopted by the District as part of its certification of the Final PEIR. Under this alternative, the throughput that could be reached under the maximum practical capacity (MPC) scenario of the Proposed Project would be reduced by 25 percent for each of the three cargo nodes that are proposed for changes under the TAMT Redevelopment Plan (i.e., Dry Bulk, Refrigerated Containers, and Multipurpose General Cargo). Total throughput would be limited to 4,675,567 MT/yr, with dry bulk cargo limited to 1,987,500 MT/yr. Under the STC Alternative, the Proposed Project would operate at Warehouse C within the total allowable dry bulk throughput, although in a different location, which will be accounted for in the analysis.

Consistent with State CEQA Guidelines Section 15168 (c) and (d), the Proposed Project may tier off of the Final PEIR for the TAMT Redevelopment Plan and Demolition and Initial Rail Component for the purposes of the Proposed Project's environmental documentation and review process. Consequently, the content and mitigation measures of the Final PEIR are incorporated by reference within the Proposed Project's Initial Study, and applicable mitigation measures identified in the Final PEIR are noted in each subject-specific analysis (Initial Study Sections I (Aesthetics) through XVII (Utilities and Service Systems)), as warranted.[2]

[2] The Final PEIR and Mitigation Monitoring and Reporting Program are available at https://www.portofsandiego.org/environment/environmental-downloads/land-use-planning.html and the Office of the District Clerk (Resolution Numbers 2016-199 and 2016-200 respectively).

ENVIRONMENTAL CONSIDERATIONS

The Draft SEIR will address the following potential Project-related and cumulative environmental effects of the Proposed Project, including: Air Quality; Greenhouse Gas Emissions; Hazards and Hazardous Materials; Noise; and Traffic/Traffic and Circulation. The SEIR will also address other potential impacts identified during the NOP process, identify feasible mitigation measures and a reasonable range of alternatives, and include the other additional mandatory sections required by CEQA. A proposed Mitigation Monitoring and Reporting Program to address the potentially significant adverse impacts of the Proposed Project will also be presented to the Board of Port Commissioners for its consideration. The Initial Study/Environmental Checklist is attached.

COMMENTS

This NOP is available for a 30-day public review period that starts on Monday, September 18, 2017, and ends at 5:00 p.m. on Wednesday, October 18, 2017. Comments regarding the scope and content of the environmental information that should be included in the SEIR and other environmental concerns should be mailed to:

San Diego Unified Port District
Development Services Department
Attn: Kelly Czechowski, Senior Planner
P.O. Box 120488
San Diego, CA 92112-0488

Or emailed to: kczechowski@portofsandiego.org

PUBLIC SCOPING MEETING

A public scoping meeting to solicit comments on the scope and content of the SEIR for the Proposed Project will be held on Wednesday, September 27, 2017, from 5:00 p.m. to 7:00 p.m. at the San Diego Unified Port District Administration Building, Training Room, 3165 Pacific Highway, San Diego, CA 92101.

The District, as Lead Agency pursuant to CEQA, will review the public comments received during the scoping period to determine what issues should be addressed in the SEIR. Other opportunities for the public to comment on the potential environmental effects of the Proposed Project are as follows:

- A minimum 45-day public review and comment period for the Draft SEIR;
- A public hearing for the Board of Port Commissioners to consider certification of the SEIR.

For questions regarding this NOP, please contact Kelly Czechowski, Senior Planner, at (619) 686-7213.

ATTACHMENTS

Figure 1: Regional Map
Figure 2: Aerial View of Project Site
Figure 3: Overall Site Plan
Figure 4: Sub-Option 1 (Subterranean Pipeline)
Figure 5: Sub-Option 2 (Overhead Pipeline)
Figure 6: Option A (Interior Truck Loading) – Truck Loading Racks with 200MT Silos with Dust Collectors
Figure 7: Option B (Exterior Truck Loading) – Truck Loading Racks with 200MT Silos with Dust Collectors
Figure 8: Option A (Interior Truck Loading) – Truck Loading Facility at Bay C-7
Figure 9: Option B (Exterior Truck Loading) – Truck Loading Facility at Bay C-7
Figure 10: Option A (Interior Truck Loading) – Truck Loading Facility at Bay C-8
Figure 11: Option B (Exterior Truck Loading) – Truck Loading Facility at Bay C-8
Initial Study/Environmental Checklist

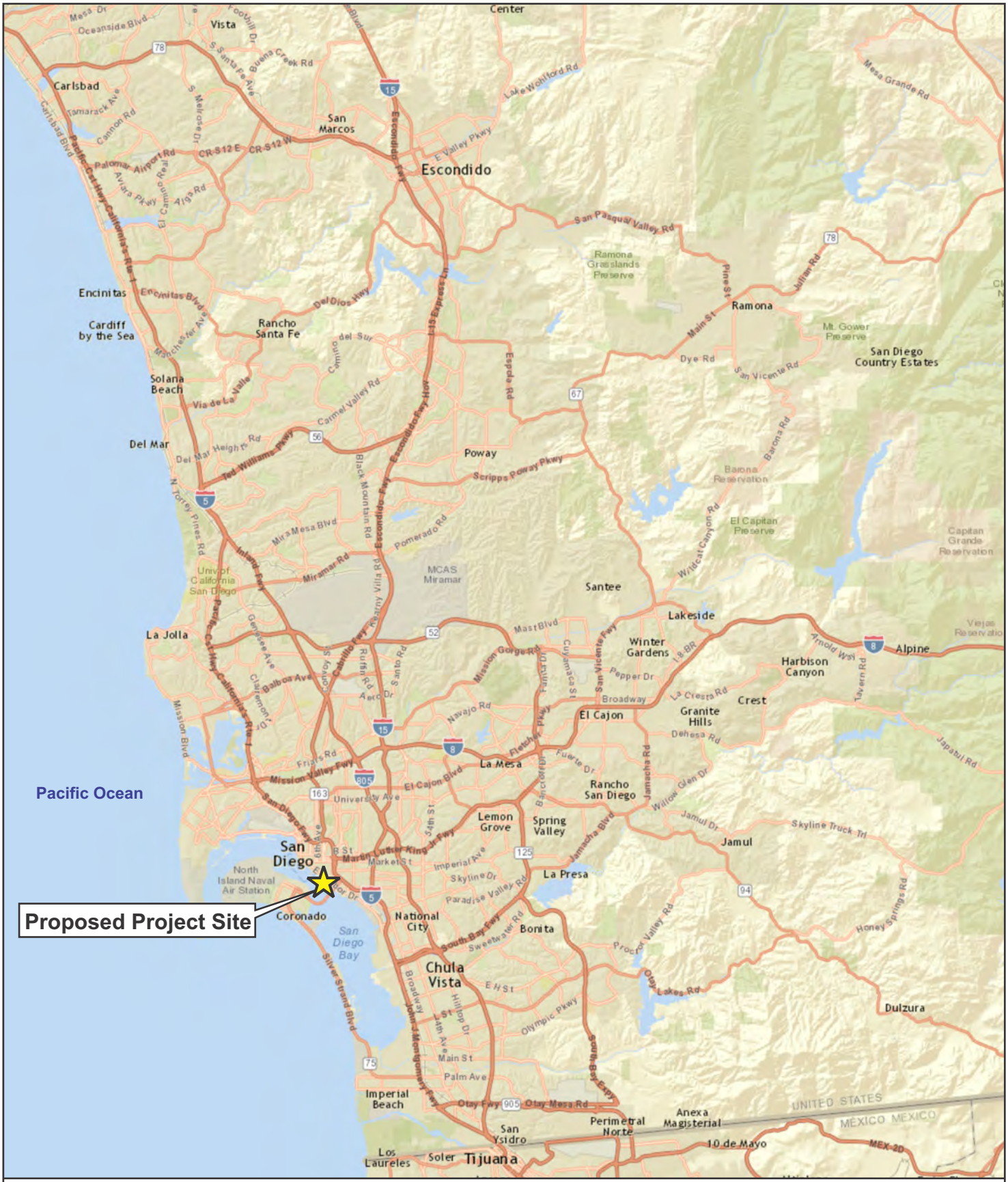


Figure 1

Regional Map

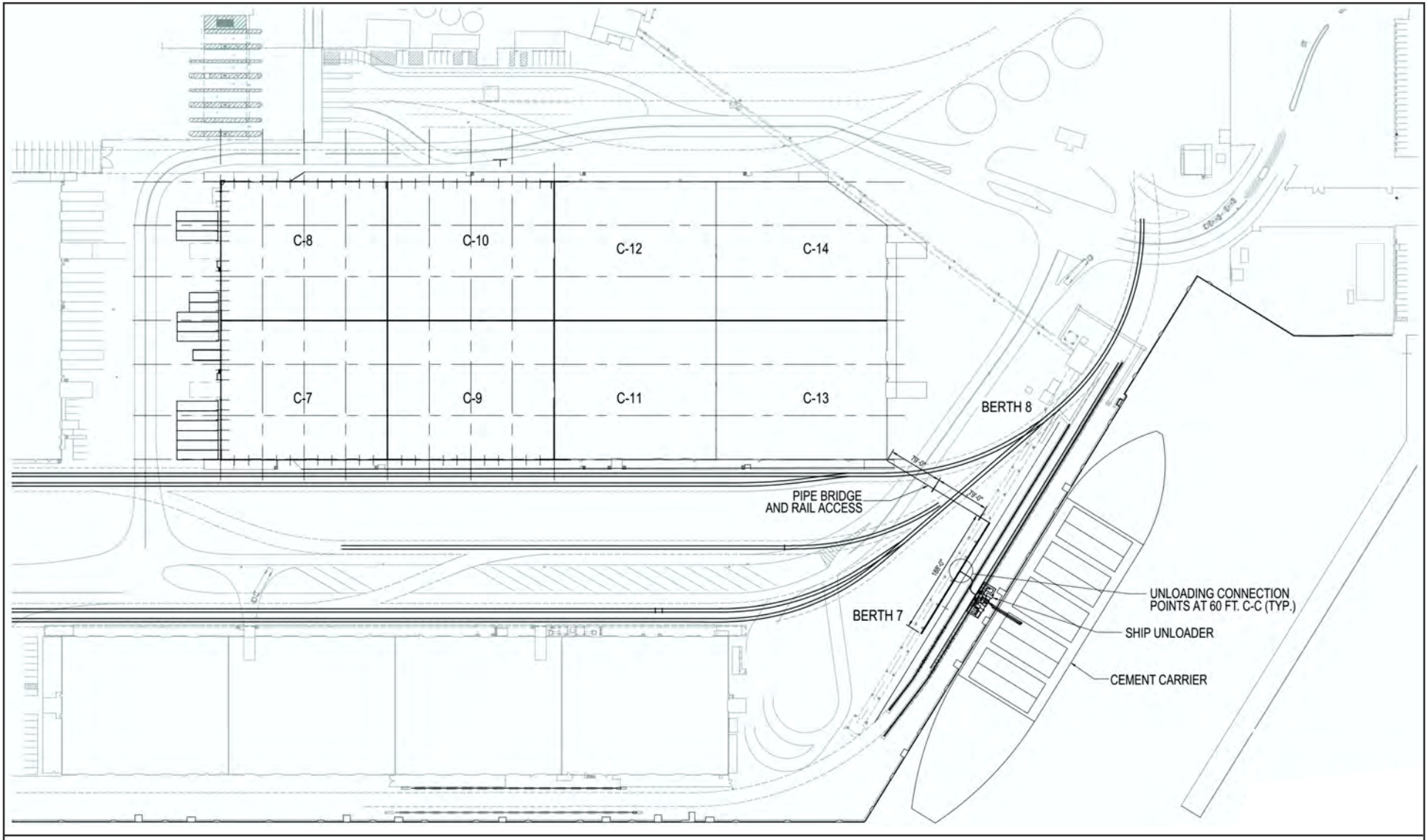
Source: GoogleEarth, 2017.

Tenth Avenue Marine Terminal Boundary

0 250 500 1,000 Feet

Figure 2

Aerial View of Project Site

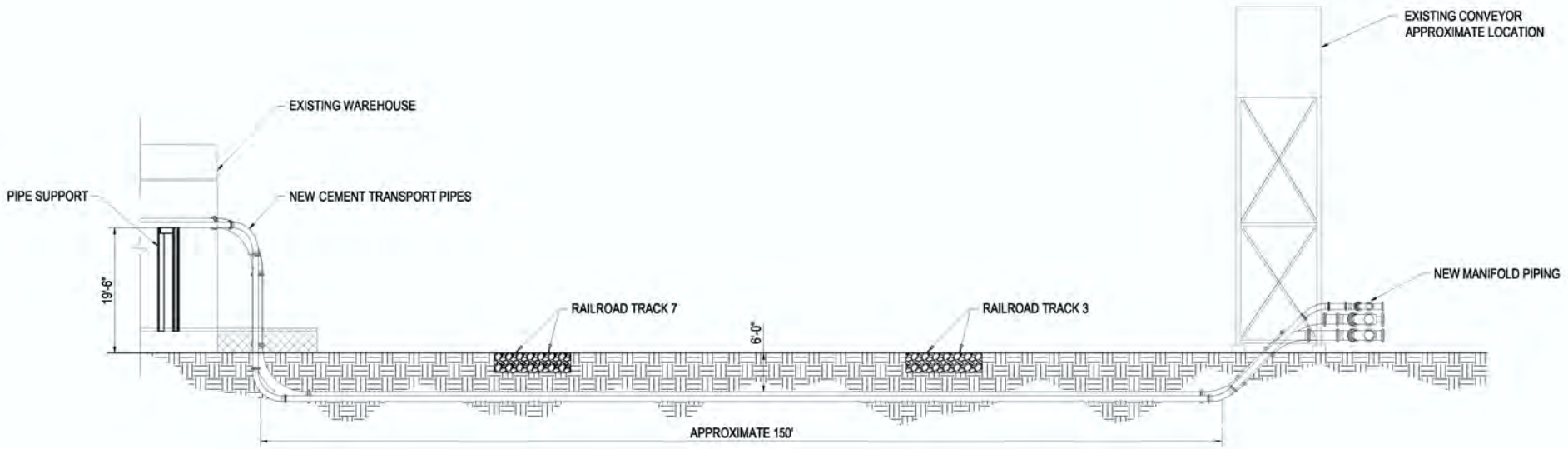


Source: Environmental Audit, Inc. 2017

0 120 240 480 Feet

Figure 3

Overall Site Plan

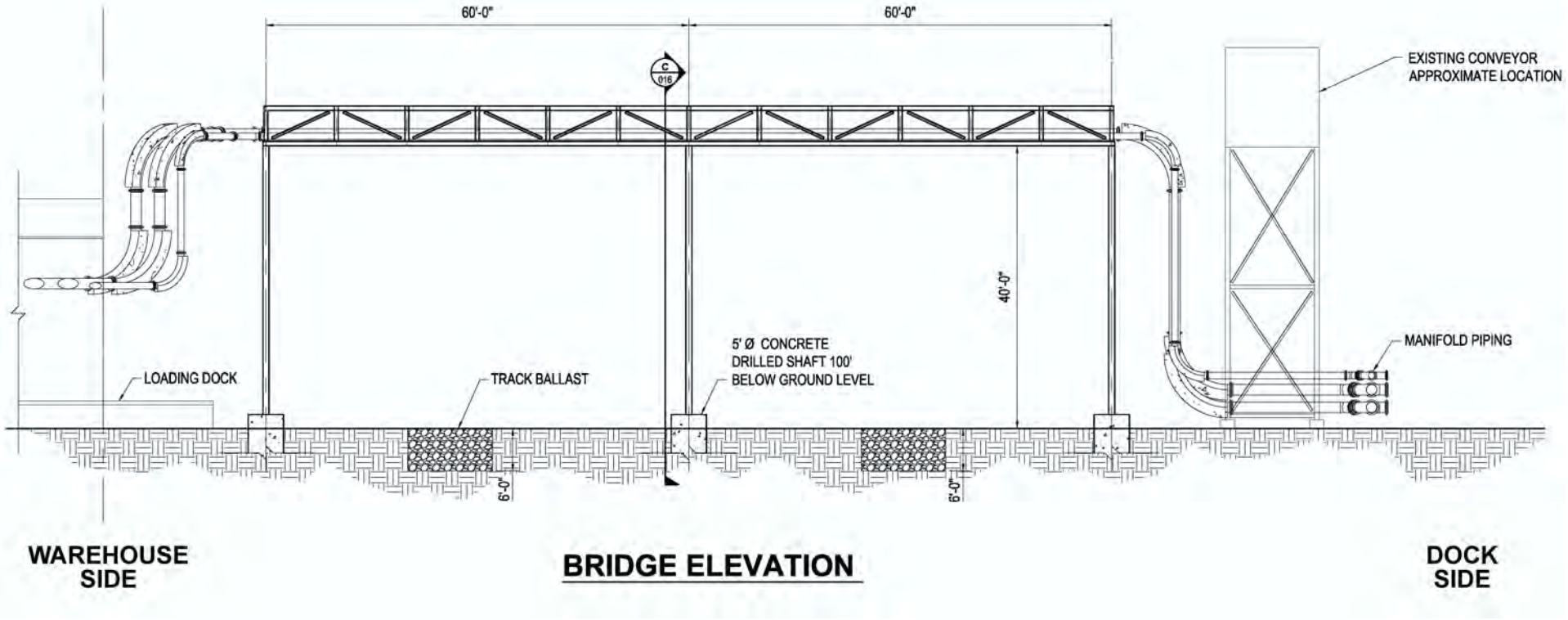


SUBTERRANEAN PIPELINE

Source: Environmental Audit, Inc. 2017

Figure 4

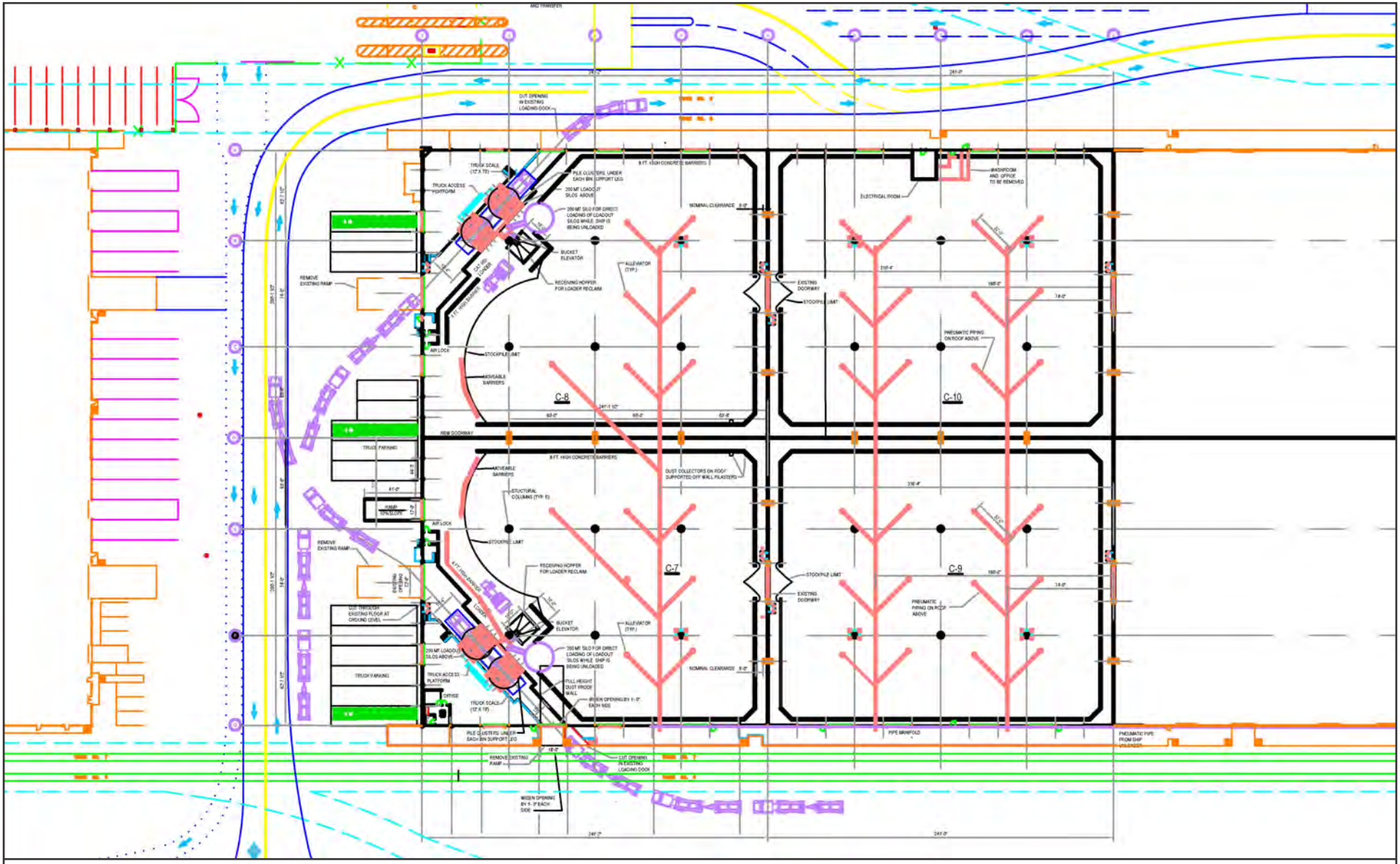
Sub-Option 1 (Subterranean Pipeline)



Source: Environmental Audit, Inc. 2017

Figure 5

Sub-Option 2 (Overhead Pipeline)

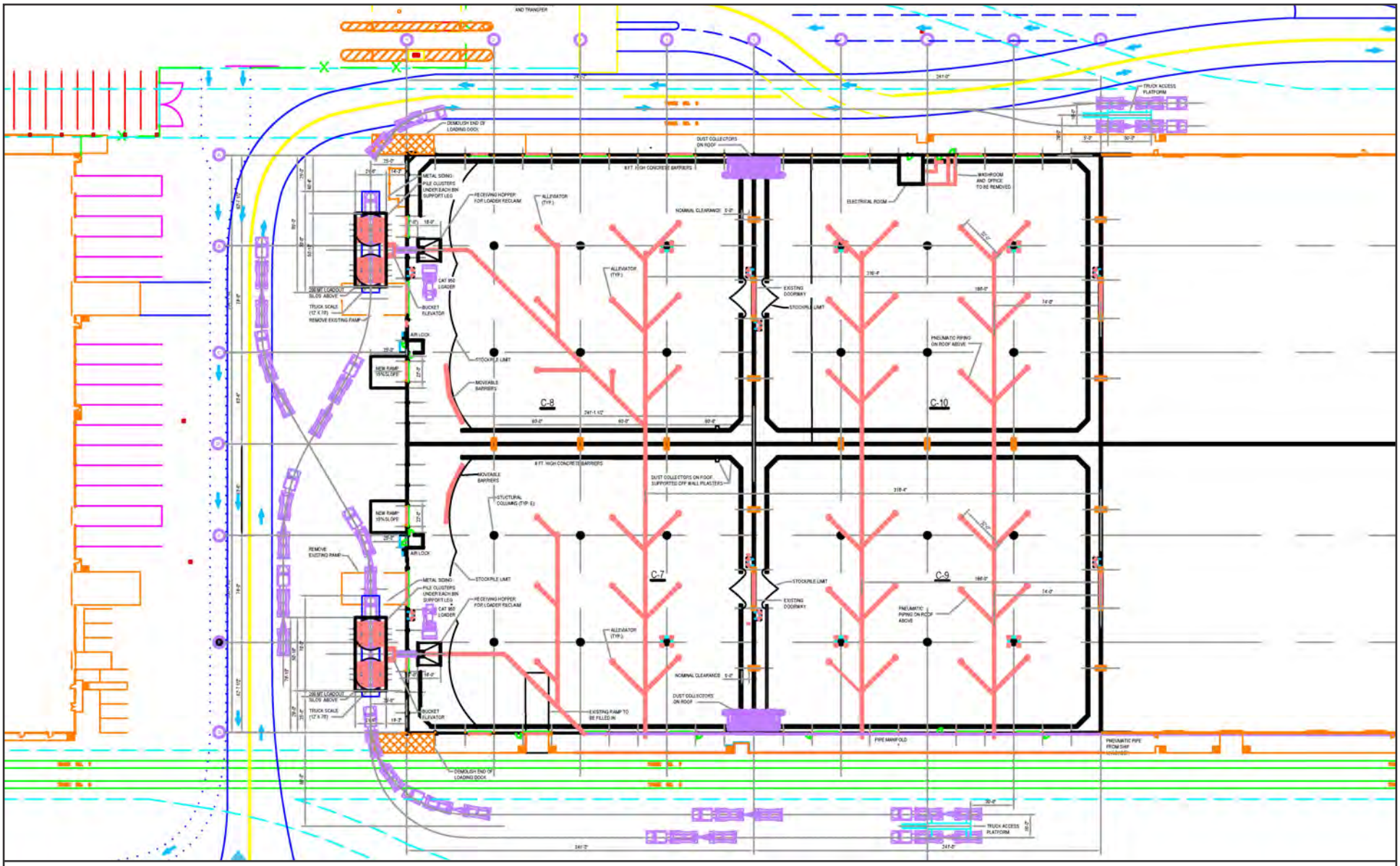


Source: Source: Environmental Audit, Inc. 2017

0 50 100 200 Feet

Figure 6

Option A - Truck Loading Racks with 200MT Silos with Dust Collection

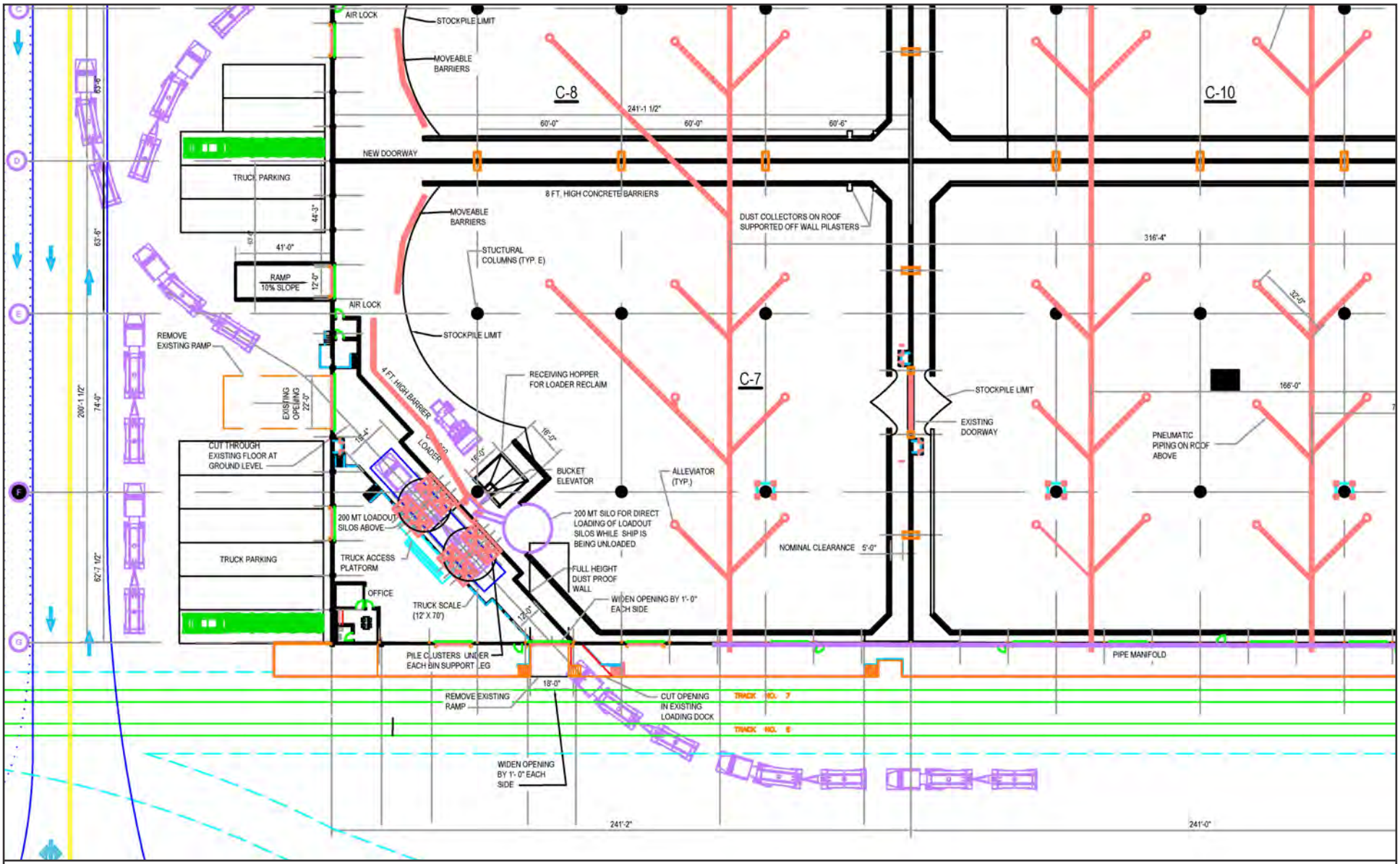


Source: Source: Environmental Audit, Inc. 2017

0 50 100 200 Feet

Figure 7

Option B - Truck Loading Racks with 200MT Silos with Dust Collection

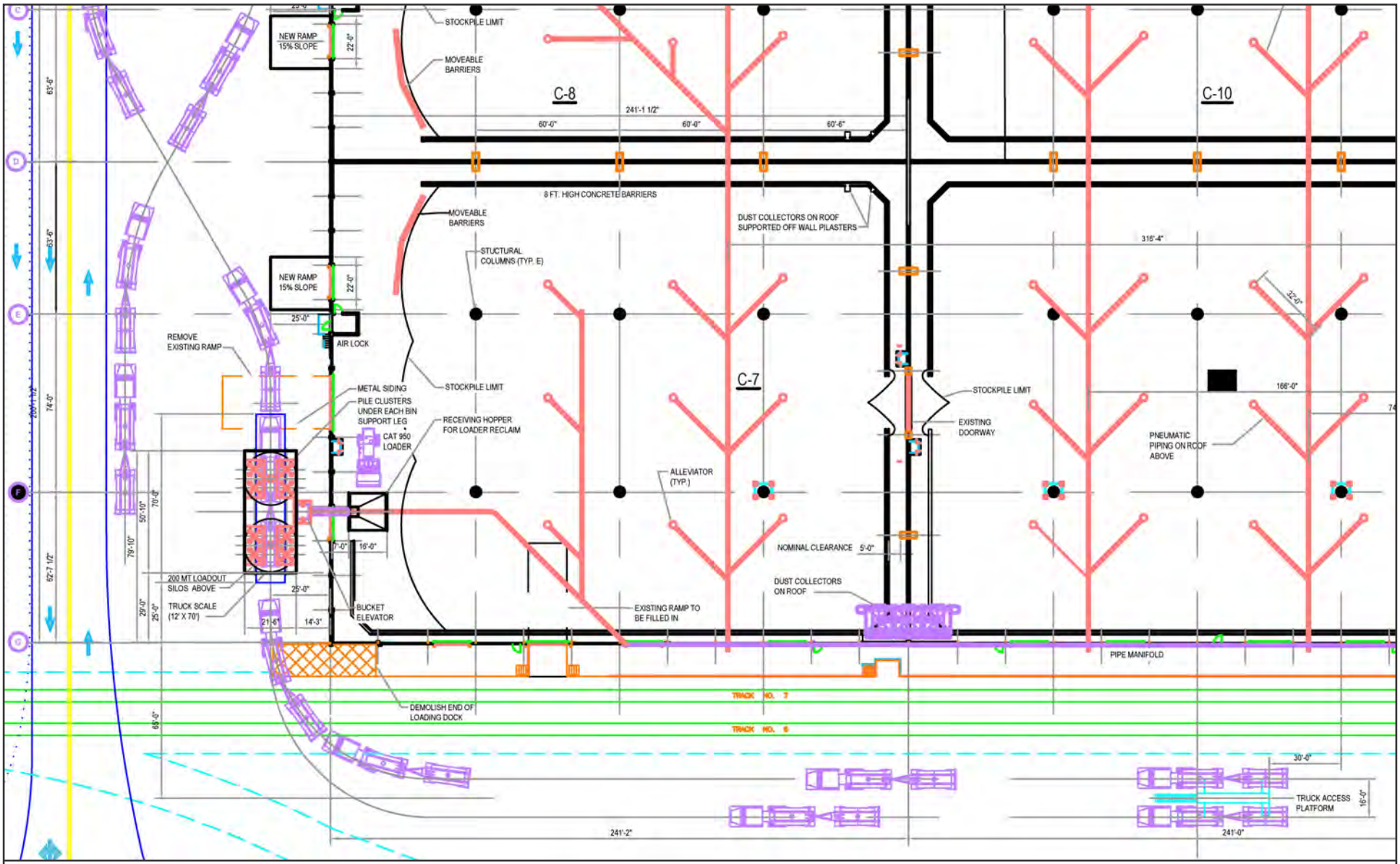


Source: Source: Environmental Audit, Inc. 2017

0 30 60 120 Feet

Figure 8

Option A - Truck Loading Facility at Bay C-7

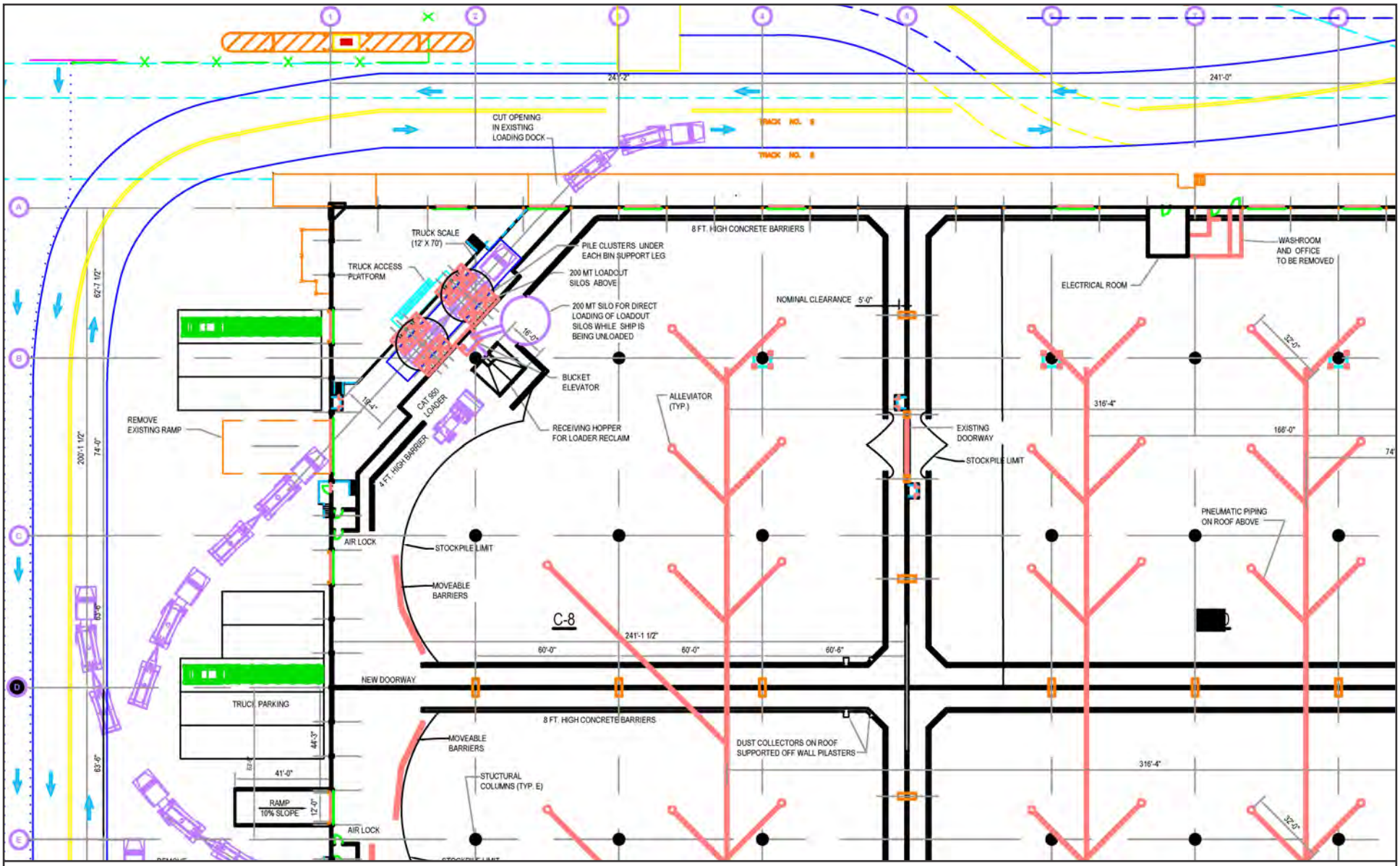


Source: Source: Environmental Audit, Inc. 2017

0 30 60 120 Feet

Figure 9

Option B - Truck Loading Facility at Bay C-7

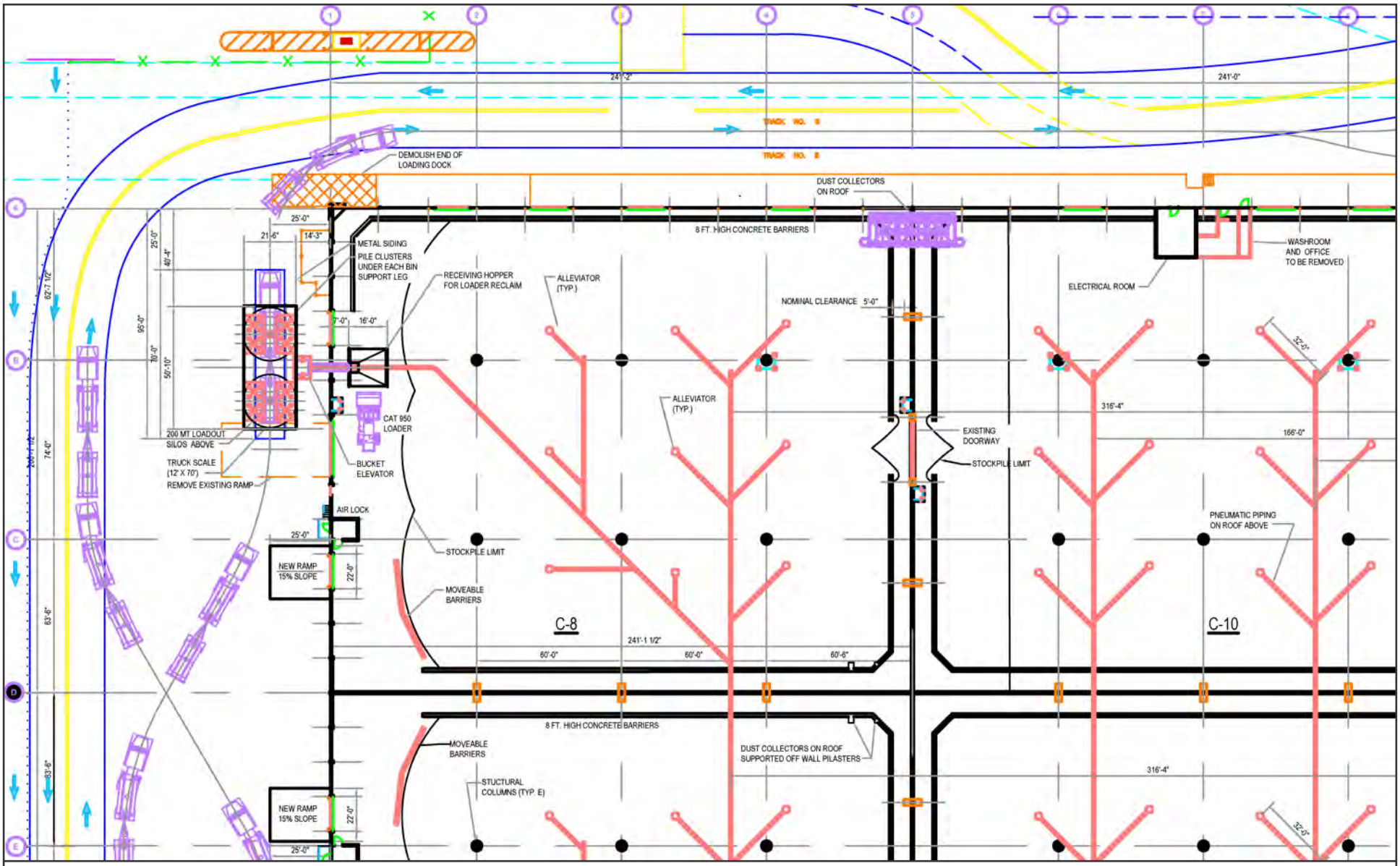


Source: Source: Environmental Audit, Inc. 2017

0 30 60 120 Feet

Figure 10

Option A - Truck Loading Facility at Bay C-8



Source: Source: Environmental Audit, Inc. 2017

0 30 60 120 Feet

Figure 11

Option B - Truck Loading Facility at Bay C-8

Initial Study/Environmental Checklist

for the

Mitsubishi Cement Corporation at Warehouse C – Bulk Cement Warehouse and Loading Facility Project

Prepared for
San Diego Unified Port District

Technical Support Provided by
Aspen Environmental Group

September 2017

Contents

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Appendices

Acronyms and Abbreviations

ACM	Asbestos-Containing Materials
ADT	Average Daily Traffic
ALUCP	Airport Land Use Compatibility Plan
ASTM	American Society for Testing and Materials
CARB	California Air Resources Board
CBC	California Building Code
CDFW	California Department of Fish and Wildlife
CDP	Coastal Development Permit
CEQA	California Environmental Quality Act
CHRIS	California Historical Resources Information System
CMP	Congestion Management Program
CNDDB	California Natural Diversity Database
CRHR	California Register of Historical Resources
CW10	Condition Waver Number 10
DEH	Department of Environmental Health
DOC	(California) Department of Conservation
EI	Expansion Index
EIR	Environmental Impact Report
FAA	Federal Aviation Administration
FEMA	Federal Emergency Management Agency
GHG	Greenhouse Gas
HBMS	Hazardous Building Materials Survey
HU	Hydrologic Unit
LCS	Lead-Containing Surfaces
LOS	Level of Service
MBTA	Migratory Bird Treaty Act
MHPA	Multi-Habitat Planning Area
MLLW	Mean low lower water
MSCP	Multiple Species Conservation Program
NAAQS	National Ambient Air Quality Standards
NOAA	National Oceanic and Atmospheric Administration
NRHP	National Register of Historic Places
OCP	Organochloride Pesticide
OES	Office of Emergency Services
OPP	Organophosphorus Pesticide
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated Biphenyl
PCE	Passenger Car Equivalent
PMP	Port Master Plan
RAQS	Regional Air Quality Strategy
SAM	Site Assessment and Mitigation
SANDAG	Emission projections and San Diego Association of Governments
SANTEC	San Diego Traffic Engineers' Council
SDAPCD	San Diego Air Pollution Control District
SDIA	San Diego International Airport
SIP	State Implementation Plan
SLR	Sea Level Rise
SVOC	Semi-Volatile Organic Compound
SWPPP	Stormwater Pollution Prevention Plan
SWQMP	Storm Water Quality Management Plan
TCR	Tribal Cultural Resource
TPH	Total Petroleum Hydrocarbon
USGS	United States Geological Survey
V/C	Volume to Capacity Ratio
VOC	Volatile Organic Compound

Initial Study/Environmental Checklist

1. Project Title:	Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project
2. Lead Agency Name and Address:	San Diego Unified Port District Post Office Box 120488 San Diego, CA 92112-0488
3. Contact Person and Phone Number:	Kelly Czechowski (619) 686-7213
4. Project Location:	645 Switzer Street (Warehouse C) San Diego, CA 92127
5. Project Sponsor's Name and Address:	Mitsubishi Cement Corporation 151 Cassia Way Henderson, NV 89014
6. General Plan Designation:	Marine Terminal (Port Master Plan, Planning District 4)
7. Zoning:	Marine Terminal (Port Master Plan, Planning District 4)
8. Description of Project:	Mitsubishi Cement Corporation proposes to construct and operate a cement and cementitious material import, storage and distribution facility within the Tenth Avenue Marine Terminal (TAMT) of the San Diego Unified Port District. The proposed facility would be able to import, store and distribute up to 600,000 metric tons of cement and cementitious material annually. The proposed facility would be constructed in two phases within Bays C-7 though C-10 of Warehouse C, which is located at 645 Switzer Street, San Diego, California. Vessels serving the proposed facility would use TAMT Berths 10-7 and 10-8. At maximum operation, the proposed facility would generate an estimated 24,000 round-trip truck trips per year. Based on a 600,000 MT/yr throughput and using trucks with a carrying capacity of 25MT over 365 days, an annual average of 66 round-trip truck trips per day is anticipated. Based on maximum loading capabilities, the maximum number of round-trip truck trips from the Proposed Project site would be 176 per day on a peak day, but no more than 145 trucks per day on a 30-day rolling average.
9. Tiering from PEIR and Incorporation by Reference	This Initial Study and the SEIR for the Proposed Project will tier-off of the TAMT Redevelopment Plan and Demolition and Initial Rail Component (Redevelopment Plan) and the Final Program EIR (Final PEIR) for the Redevelopment Plan (State Clearinghouse Number 2015031046; Clerk Document Number 65901), certified and adopted by the Board of Port Commissioners in December 2016, by Resolution Numbers 2016-199 and 2016-200, respectively. The Draft PEIR, Final PEIR, associated Mitigation, Monitoring and Reporting Program (MMRP), CEQA findings, including a Statement of Overriding Consideration, are incorporated herein by reference and are available at https://www.portofsandiego.org/environment/environmental-downloads/land-use-planning.html and at the Office of the District Clerk located at 3165 Pacific Highway, San Diego, CA 92101. The applicable portions of the Final PEIR are also summarized in the appropriate area discussions, below.

Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" and requiring implementation of mitigation as indicated by the checklist on the following pages.

☐ Aesthetics	☐ Agriculture & Forestry Resources	☒ Air Quality
☐ Biological Resources	☐ Cultural Resources	☐ Geology/Soils
☒ Greenhouse Gas Emissions	☐ Hazards & Hazardous Materials	☐ Hydrology/Water Quality
☐ Land Use/Planning	☐ Mineral Resources	☒ Noise
☐ Population/Housing	☐ Public Services	☐ Recreation
☒ Transportation/Traffic	☐ Tribal Cultural Resources	☐ Utilities/Service Systems
☒ Mandatory Findings of Significance		

Determination

On the basis of this initial evaluation:

☐ I find that the Proposed Project **COULD NOT** have a significant effect on the environment, and a **NEGATIVE DECLARATION** will be prepared.

☐ I find that although the Proposed Project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A **MITIGATED NEGATIVE DECLARATION** will be prepared.

☐ I find that the Proposed Project MAY have a significant effect on the environment, and an **ENVIRONMENTAL IMPACT REPORT** is required.

☒ I find that the Proposed Project may have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An **ENVIRONMENTAL IMPACT REPORT** is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the Proposed Project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR, including revisions or mitigation measures that are imposed upon the Proposed Project, nothing further is required.

Signature: Wileen C Manaois Date: 9/14/17

Wileen Manaois
Director, Development Services

Evaluation of Environmental Impacts

The following discussion addresses impacts to various environmental resources, per the Environmental Checklist Form contained in Appendix G of the State CEQA Guidelines.

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects such as the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained if it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3. Once the lead agency has determined that a particular physical impact may occur, the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an environmental impact report (EIR) is required.

4. "Negative Declaration: Less-than-Significant Impact with Mitigation Incorporated" applies when the incorporation of mitigation measures has reduced an effect from a "Potentially Significant Impact" to a "Less-than-Significant Impact." The lead agency must describe the mitigation measures and briefly explain how they reduce the effect to a less-than-significant level.

5. Earlier analyses may be used if, pursuant to tiering, program EIR, or other California Environmental Quality Act (CEQA) process, an effect has been adequately analyzed in an earlier EIR or negative declaration (Section 15063(c)(3)(D)). In this case, a brief discussion should identify the following:

    a. Earlier Analysis Used. Identify and state where earlier analyses are available for review.

    b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards and state whether such effects were addressed by mitigation measures based on the earlier analysis.

    c. Mitigation Measures. For effects that are "Less than Significant with Mitigation Incorporated," describe the mitigation measures that were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, when appropriate, include a reference to the page or pages where the statement is substantiated.

7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

9. The explanation of each issue should identify:

    a. The significance criteria or threshold, if any, used to evaluate each question; and

    b. The mitigation measure identified, if any, to reduce the impact to a less-than-significant level.

I. Aesthetics

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?	☐	☐	☒	☐
c. Substantially degrade the existing visual character or quality of the site and its surroundings?	☐	☐	☒	☐
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

Significance criteria established by CEQA Guidelines, Appendix G.

Would the project:

a. Have a substantial adverse effect on a scenic vista?

Less Than Significant Impact. The Port Master Plan (PMP) identifies vista areas within the San Diego Unified Port District (District), which are defined as points of natural beauty, photo vantage points, and other panoramas (SDUPD, 2015). The Proposed Project would be located in the District's Planning District 4, within which no vista areas have been identified. The nearest designated vistas are located in Planning District 3 (Centre City/Embarcadero), located approximately 0.3 mile northwest of Warehouse C on the same (east) side of the San Diego Bay, and Planning District 6 (Coronado Bayfront), located an estimated 0.6 mile west of Warehouse C across on the west side of San Diego Bay. Impacts to the surrounding vista areas as a result of development within the Tenth Avenue Marine Terminal (TAMT) was fully analyzed in the TAMT Redevelopment Plan and Demolition and Initial Rail Component Final Program Environmental Impact Report (TAMT Final PEIR), which concluded that none of the views from adjacent Planning Districts would be significantly affected by proposed construction and operation activities within the TAMT.

The Proposed Project's warehouse modifications would include dust collectors, truck loading racks (either inside the warehouse as shown in Figures 6 and 8 (Option A), or outside the warehouse as shown in Figures 7 and 9 (Option B), and ship unloading pipelines (either underground (Sub-Option 1, Figure 4) or overhead (Sub-Option 2, Figure 5)). The extent to which the unloading pipelines and loading racks would be visible would depend on which construction component is implemented. Figure I-1, Simulation A, is an example of the Proposed Project incorporating the most visible components including the outside loading racks and over-head pipelines, while Figure I-2, Simulation B, depicts the Proposed Project incorporating loading racks inside the warehouse with overhead (outside) pipelines. Figure I-2, Simulation C, depicts the Proposed Project with the truck loading racks outside the warehouse with underground pipelines. Although the proposed components are most visible in Simulation A, all three simulations demonstrate that components of the Proposed Project would be consistent with the existing industrial infrastructure within the TAMT, and would not substantially change the characteristics of the views from the nearest scenic vistas. Construction and operation of the Proposed Project would not substantially affect views from a scenic vista. Impacts would be less than significant, and no further discussion within the context of a Subsequent Environmental Impact Report (SEIR) is warranted.

Existing Conditions at Project Site

Simulation A: Truck Loading Racks outside Warehouse, Over-Head Pipelines

Source: Allen Picasa, 2017.

Figure I-1

Project Simulation A

Simulation B: Truck Loading Racks inside Warehouse, Over-Head Pipelines

Simulation C: Truck Loading Racks outside Warehouse, Underground Pipelines

Source: Allen Picasa, 2017.

Figure I-2

Project Simulations B and C

b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?

Less Than Significant Impact. The Proposed Project would be constructed entirely within the TAMT, which does not contain scenic resources such as trees, rock outcroppings, and historic buildings. The San Diego-Coronado Bay Bridge (State Route 75), a California State-designated scenic highway, is located approximately 0.4 mile southeast of the Proposed Project site (DOT, 2017). As discussed in the TAMT Final PEIR, existing views of the TAMT from the San Diego-Coronado Bay Bridge include maritime industrial facilities such as transit sheds, warehouses, and cargo. Proposed Project components would be similar in color, size, and scale to existing structures at the TAMT, as illustrated in Simulations A though C of Figures I-1 and I-2. None of the Proposed Project structures would noticeably alter existing views from the San Diego-Coronado Bay Bridge. The Proposed Project would not damage scenic resources and would have a less than significant impact to scenic resources. No further discussion within the context of a SEIR is warranted.

c. Substantially degrade the existing visual character or quality of the site and its surroundings?

Less Than Significant Impact. The Proposed Project would be constructed entirely within the TAMT and located within an area of the District that is developed with industrial and maritime uses. The Proposed Project's improvements to Warehouse C, as well as the vessel unloading and truck loading activities, would be consistent with the site's existing industrial and shipping-related visual character, as illustrated in Simulations A through C of Figures I-1 and I-2. All Project components would be similar in color, size, and scale to existing structures at the TAMT. Construction and operation of the Proposed Project would have less than significant impacts to the visual character and quality of the surrounding area, and no further discussion within the context of a SEIR is warranted.

d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Less Than Significant Impact. The Proposed Project would not require the installation of new outdoor lighting that could affect nighttime views. The Proposed Project would augment existing exterior lighting with lighting on the proposed equipment necessary to provide adequate illumination to safely access the equipment and provide security. All new lighting would be aimed toward the facility with the necessary shrouds to limit spill light. New equipment would be matte finished to eliminate glare. Further, the Proposed Project includes only a few new visible components, as illustrated in Simulations A through C of Figures I-1 and I-2. The potential for new structures within the TAMT to become a source of glare was fully analyzed in the TAMT Final PEIR, which concluded that new structures would not be designed with reflective surfaces and would not contribute to a substantial increase in glare. Consistent with this conclusion, the Proposed Project would be developed with reflective surfaces or material that causes substantial glare. Any external Proposed Project components (i.e., truck loading racks, pipelines, dust collectors) would not contribute to a significant impact attributable to glare.

Increased motor vehicle traffic associated with Project operations at the TAMT would potentially produce glare from light reflecting off vehicle windshields. This potential impact was fully discussed in the TAMT Final PEIR, which described the surrounding roadways as highly traveled routes that currently experience moderate levels of daytime glare from light reflecting off vehicle windshields. The TAMT Final PEIR concluded that additional vehicle activity associated with TAMT operations would not create a substantial new source of daytime glare that would adversely affect daytime views. Glare-related impacts from the Proposed Project would be less than significant, and no further discussion within the context of a SEIR is warranted.

II. Agriculture and Forestry Resources

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment Project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.

Would the project:	**Potentially Significant Impact**	**Less than Significant with Mitigation Incorporated**	**Less Than Significant Impact**	**No Impact**
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	☒
d. Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

Significance criteria established by CEQA Guidelines, Appendix G.

Would the project:

a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

No Impact. The Proposed Project site is located entirely within the District. According to Important Farmland maps prepared by the California Department of Conservation (DOC), no designated Farmland is located within the Project site or within the surrounding vicinity (DOC, 2015). Neither construction nor operation of the Proposed Project would impact Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. No impacts would occur, and no further discussion within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. The Proposed Project is not designated for agricultural use nor is there a Williamson Act contract for the Project Site. No impacts would occur, and no further discussion within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

No Impact. The Proposed Project site is located within the TAMT, which has a land use designation as Marine Terminal (SDUPD, 2015). Neither the Project site nor the surrounding vicinity is zoned for forest land or timberland. No impacts to forest land or timberland would occur, and no further discussion within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

d. Result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. No forest land is located within the Proposed Project site or the vicinity of the TAMT. The Proposed Project would not result in the loss of forest land or convert forest land to non-forest use. No impacts would occur, and no further discussion within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

No Impact. The Proposed Project would be located entirely within the TAMT. The area surrounding the District is characterized by urban development that does not include existing agriculture or forest land. No impacts to Farmland or forest land would occur and no further discussion within the context of a SEIR is warranted**.** This conclusion is consistent with the findings of the TAMT Final PEIR.

III. Air Quality

Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. **Would the project:**	**Potentially Significant Impact**	**Less Than Significant with Mitigation Incorporated**	**Less Than Significant Impact**	**No Impact**
a. Conflict with or obstruct implementation of the applicable air quality plan?	☒	☐	☐	☐
b. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	☒	☐	☐	☐
c. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	☒	☐	☐	☐
d. Expose sensitive receptors to substantial pollutant concentrations?	☒	☐	☐	☐
e. Create objectionable odors affecting a substantial number of people?	☒	☐	☐	☐

Significance criteria established by CEQA Guidelines, Appendix G.

Would the project:

a. Conflict with or obstruct implementation of the applicable air quality plan?

Potentially Significant Impact. The San Diego Air Pollution Control District (SDAPCD) is required, pursuant to the federal and State Clean Air Acts, to reduce emissions of criteria pollutants for which the County of San Diego (County) is in nonattainment (i.e., ozone, particulate matter of 10 microns in diameter or smaller (PM10), and particulate matter of 2.5 microns in diameter or smaller (PM2.5)). The most recent SDAPCD air quality attainment plans are the State 2016 Regional Air Quality Strategy (RAQS), and the federal 2002 and 2012 Ozone Maintenance Plans and 2016 Ozone Attainment Plan (SDAPCD, 2017). The RAQS outlines SDAPCD's plans and control measures designed to attain State air quality standards for ozone. The 2002 and 2012 Ozone Maintenance Plans include the SDAPCD's plans and control measures for maintaining the 1-hour and 1997 8-hour National Ambient Air Quality Standards (NAAQS) for ozone and the 2016 Attainment Plan includes the SDAPCD's plans and control measures for attaining the 2008 8-hour NAAQS for ozone.

The RAQS projects future emissions and determines the strategies necessary for the reduction of stationary source emissions through regulatory controls. The federal Clean Air Act also mandates that the State submit and implement a State Implementation Plan (SIP) for local areas not meeting those standards. The California Air Resources Board (CARB) mobile source emission projections and San Diego Association of Governments (SANDAG) growth projections are based on population and vehicle trends and land use plans developed by local agencies. As such, projects that propose development that is consistent with the growth anticipated by the relevant land use plans that were used in the formulation of the RAQS and SIP would be consistent with them. The PMP is the governing land use document for physical development under the jurisdiction of the District. Therefore, projects that propose development consistent with growth anticipated by the current PMP are considered consistent with the RAQS and SIP.

In the event that a project proposes development that is less dense than anticipated within a General Plan (or other governing land use document such as the PMP), the project would likewise be consistent with the RAQS and SIP because emissions would be less than estimated for the existing PMP. If a project proposes

development that is greater than that anticipated in the PMP and SANDAG's growth projections, the project would be in conflict with the RAQS and SIP, and might have a potentially significant impact on air quality because emissions would exceed those estimated for the existing PMP. This potential warrants further analysis to determine if the Proposed Project would exceed the growth projections used in the RAQS for a specific subregional area. Consequently, further discussion is warranted within the context of a SEIR, including a determination of consistency with the TAMT Final PEIR's analysis and conclusions.

b. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?

Potentially Significant Impact. Construction of the Proposed Project has the potential to create air quality impacts through the use of heavy-duty construction equipment, construction worker vehicle trips, truck haul and material delivery trips, paving activities, architectural coating use, and fugitive dust from demolition and grading activities. Mobile-source criteria pollutant emissions would result from the use of construction equipment and vehicles, and paving operations would result in emissions of volatile organic compounds (VOCs) from asphalt and pavement striping. Operation of the Proposed Project has the potential to create air quality impacts primarily associated with truck trips, marine vessel activity, worker commute, cement fugitive dust from vessel offloading and truck loading, and potential minor increases in area sources associated with periodic painting of paved surfaces and structures. As such, the Proposed Project has the potential to significantly contribute to the violation of an air quality standard or significantly contribute to an existing or projected air quality violation. Further analysis within the context of a SEIR is warranted, including a determination of consistency with the TAMT Final PEIR's analysis and conclusions.

c. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

Potentially Significant Impact. The San Diego Air Basin is in nonattainment status for ozone (8-hour standard) at the federal and State level, and nonattainment status for ozone (1-hour standard), PM10, and PM2.5 at the State level. The Proposed Project could result in a cumulatively considerable net increase in these criteria pollutants. Further discussion is warranted within the context of a SEIR, including a determination of consistency with the TAMT Final PEIR's analysis and conclusions.

d. Expose sensitive receptors to substantial pollutant concentrations?

Potentially Significant Impact. Sensitive receptors in proximity to the Proposed Project site are primarily residential areas in the Barrio Logan neighborhood. Technical air quality analyses will be prepared and summarized within an air quality technical study to evaluate short-, medium-, and long-term pollutant emissions and concentrations. Further analysis within the context of a SEIR is warranted, including a determination of consistency with the TAMT Final PEIR's analysis and conclusions.

e. Create objectionable odors affecting a substantial number of people?

Potentially Significant Impact. According to the CARB's Air Quality and Land Use Handbook (CARB, 2005), land uses associated with odor complaints typically include auto body shops and other coating operations, sewage treatment plants, rendering plants, biomass operations, petroleum refineries, landfills and waste transfer stations, recycling facilities, livestock operations, foundries, and fiberglass manufacturing facilities. The Proposed Project does not include any uses identified by the CARB as being associated with odors. However, potential odor emitters during construction activities may include diesel exhaust, asphalt paving, and the use of architectural coatings. Potential odor emitters during operations would include diesel exhaust from trucks and marine vessel engine exhaust and the maintenance use of architectural coatings. Further analysis within the context of a SEIR is warranted, including a determination of consistency with the TAMT Final PEIR's analysis and conclusions.

IV. Biological Resources

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☒	☐	☐
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
c. Have a substantial adverse effect on Federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☐	☒
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan?	☐	☐	☐	☒

Significance criteria established by CEQA Guidelines, Appendix G.

Would the project:

a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Less Than Significant with Mitigation Incorporated. Special-status species with the potential to occur in the Proposed Project area were identified and analyzed in the TAMT Final PEIR. Potential impacts from the Project on special-status wildlife and plants would be consistent with those analyzed in the TAMT Final PEIR.

The California Natural Diversity Database (CNDDB) was reviewed to identify special-status species reported within vicinity of the Project site (CDFW, 2017). The CNDDB was queried for the Point Loma United States Geological Survey (USGS) 7.5-minute quadrangle, and reported records of 34 special-status animal species and 41 special-status plant species. Of these, many are historic records that have been reported

as extirpated or presumed extirpated, as much of the habitat that once supported biological resources in the area has been developed.

The Proposed Project site is fully developed and no special-status plants have the potential to occur on it. The Project site is industrial in character and most special-status birds would not use it due to a lack of habitat; however, some species, such as the California brown pelican (*Pelecanus occidentalis californicus*) may pass through the site during foraging. The Project site contains no natural nesting habitat for special-status birds. However, some common urban-adapted birds such as mourning dove (*Zenaida macroura*), rock dove (*Columba livia*), black phoebe (*Sayornis nigricans*), and house finch (*Carpodacus mexicanus*), have the potential to nest within Warehouse C and other structures in the Project area. Although these species do not have any special conservation status, their nests are protected under the Migratory Bird Treaty Act (MBTA) and the California Fish and Game Code. Construction activities at Warehouse C and the proposed loading/unloading facilities could result in direct impacts to active nests or indirect impacts from construction noise, dust, or nighttime lighting. Active nests are those that contain eggs, nestlings, or fledglings that are still dependent on the nest. The MBTA regulates the needless destruction of an active bird nest, and any destruction of active nests or activities that cause an active nest to fail (such as through parental abandonment of an active nest from project-related disturbance) would be considered a significant impact and a violation of the MBTA and Sections 3503, 3503.5, 3505, 3800, and 3801.6 of the California Fish and Game Code.

The TAMT Final PEIR identified mitigation to minimize or avoid impacts to nesting birds. TAMT Final PEIR MM-BIO-1 (Avoid Nesting Season for Birds or Conduct Preconstruction Nesting Survey) requires a preconstruction nesting survey prior to any construction activities that would occur during the bird breeding season (February 1 through August 31) and avoidance of structures supporting active nests until a qualified biologist determines that the nest is no longer active or the young have fledged, as follows:

MM-BIO-1: Avoid Nesting Season for Birds or Conduct Preconstruction Nesting Survey. To ensure compliance with the MBTA and similar provisions under the California Fish and Game Code, the project proponent in direct coordination with the general contractor shall conduct demolition of Transit Shed #1, Transit Shed #2, Warehouse C, the molasses tanks, and other existing structures during the non-breeding season (between September 1 and January 31) or shall implement the following.

- If demolition of a structure is scheduled to occur between February 1 and August 31, the project proponent shall retain a qualified biologist (with knowledge of the species to be surveyed) who shall conduct a focused nesting survey prior to demolition of any structures within 1 week of scheduled demolition. A qualified biologist is a person who, by reason of his or her knowledge of the natural sciences and the principles of wildlife biology, acquired by wildlife biology education and experience, performs services including, but not limited to, consultation investigation, surveying, evaluation, planning, or responsible supervision of wildlife biology activities when those professional services require the application of biology principles and techniques.

- The survey to look for active nests shall be conducted and results reported in writing to the District for review and approval prior to the commencement of any demolition or construction activities on the project site. The survey shall occur between sunrise and 12:00 p.m., when birds are most active. If no active nests are detected during these surveys, the biologist will prepare a letter report to the District documenting the results of the survey. If there is a delay of more than 7 days between when the nesting bird survey is performed and demolition begins, the qualified biologist shall confirm in writing to the District that he/she has resurveyed the structure proposed for demolition and that no new nests have been established.

- If the survey confirms an active nest on any of the structures to be demolished, demolition of the structure shall not occur until after a qualified biologist determines that the nest is no longer active or that the young have fledged.

Implementation of TAMT Final PEIR MM-BIO-1 would reduce Project impacts to nesting birds to a less-than-significant level, and would be implemented by the Project.[3] No additional Project-specific mitigation would be required.

Three special-status mammals may occur within the Proposed Project site: the western yellow bat (*Lasiurus xanthinus*); pocketed free-tailed bat (*Nyctinomops femorosaccus*); and, big free-tailed bat (*Nyctinomops macrotis*). The TAMT Final PEIR notes that although suitable habitat for the western yellow bat is absent from the Project site, big free-tailed bat, pocketed free-tailed bat, and other non-special-status bats including Yuma myotis (*Myotis yumanensis*) are colonial roosters and are known to roost in man-made structures. These species are known to occur within the vicinity of the Project and have potential to roost in large numbers during the maternity season (April 15 to August 31) within Warehouse C and other structures on the Project site. Colonial maternity roosts of special-status and non-special-status bat species are highly sensitive to disturbance and are considered a sensitive resource by the CDFW. Construction activities at Warehouse C may result in the destruction of active maternity roosts, resulting in the loss of many individuals; these effects would be considered significant if the subsequent population decline was large and affected the viability of the local populations of bats. The TAMT Final PEIR identified mitigation (MM-BIO-2 (Avoid Bat Maternity Roosts or Conduct Preconstruction Maternity Bat Roost Survey) to minimize or avoid impacts to roosting bats, as follows:

MM-BIO-2: Avoid Bat Maternity Roosts or Conduct Preconstruction Maternity Bat Roost Survey. If demolition of any structures is scheduled during the bat maternity season when reproductively active females and dependent young could be present (between April 15 and August 31), a qualified biologist (as defined under MM-BIO-1 and with knowledge of the species to be surveyed) shall conduct a preconstruction survey to determine whether bats are present. The survey shall examine potential suitable roost sites for evidence of bat presence (presence of bats, guano, or urine stains), and it shall be conducted no more than 7 days prior to demolition of the structures. If no active maternity roosts are detected during these surveys, the biologist will prepare a letter report to the District documenting the results of the survey. The survey shall be submitted in writing to the District for review and approval prior to the commencement of any demolition activities on the project site. If the biologist determines that the area surveyed does not contain any active maternity roosts, demolition may commence. If active maternity roosts are found, demolition of the structure shall be postponed and roosting structures shall be retained until a qualified biologist has determined that the maternity roost is no longer active and the young can take care of themselves. The need for a construction buffer shall be determined through consultation among the qualified biologist, the District, and CDFW.

Implementation of TAMT Final PEIR MM-BIO-2 (Avoid Bat Maternity Roosts or Conduct Preconstruction Maternity Bat Roost Survey) would reduce the Proposed Project's potentially significant impacts associated with maternity roosting bats to a less-than-significant level by ensuring that they are not present prior to construction activities. The Proposed Project would be required to implement MM-BIO-2.

Operational activities would be consistent with the types and magnitude of activities that currently occur within the TAMT, and would not result in significant impacts to birds or special-status bats. Bird and bat species that currently use the Proposed Project site for foraging could continue to do so because the Project would not appreciably change the industrial character of the area or cause a loss of habitat for those species. Moreover, operations associated with the Proposed Project would not measurably change the numbers or species of common birds and bats in the area. Impacts associated with increased cargo throughput, including potential vessel strikes, vessel noise, propeller wash, ballast water discharge, and biofouling would be consistent with those analyzed in the TAMT Final PEIR, and would be less than significant.

Both the above- and underground Project piping options, as well as the Project's truck loading options would have similar construction and operational impacts to special-status species.

[3] All mitigation measures that will apply to the Proposed Project will be conditions of its Coastal Development Permit and compliance and implementation of said mitigation measures shall be an obligation in any proposed lease or similarly binding agreement.

TAMT Final PEIR MM-BIO-1 and MM-BIO-2 would effectively reduce the Project's significant impacts to special-status species, and no further discussion within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

No Impact. The Proposed Project site consists entirely of developed land; there are no sensitive vegetation communities or areas of riparian habitat on-site. Eelgrass beds are not known to occur in the area of the berths that the Proposed Project would access, and the depth of the Bay at the Project site limits the potential for growth. As such, no riparian or other sensitive natural community would be affected by Project activities, and no further discussion in the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

c. Have a substantial adverse effect on Federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

No Impact. The Proposed Project site consists entirely of developed land. No federally protected wetlands, as identified under Sections 401 and 404 of the Clean Water Act or the California Coastal Act, are located within or immediately adjacent to the Project site. Project construction and operations at the TAMT would adhere to Stormwater Pollution Prevention Plans (SWPPPs) and Urban Stormwater Management Programs, as required, and no dredging, fill, or other waterside construction would occur. As such, no federally protected wetlands would be affected by Project activities and no further discussion within context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

No Impact. The Project site consists entirely of developed land. Native species present on-site are limited to those that commonly occur in heavily developed areas. Such species would not be substantially affected by the Proposed Project. Additionally, the industrial character of the Proposed Project site is not a wildlife corridor or nursery site. No further discussion within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

No Impact. The Proposed Project site is within the jurisdiction of the District, and is located in PMP Planning District 4. The PMP's conservation policies focus on protecting and restoring functional areas of high ecological value, none of which occur within or near the Project site. Therefore, the Proposed Project would not conflict with any local policies or ordinances to protect biological resources. No impact would occur and no further discussion within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan?

No Impact. The Project site is shown within the City of San Diego Multiple Species Conservation Program (MSCP) boundaries. It is several miles outside of the boundary of the City of San Diego Multi-Habitat Planning Area (MHPA), which is the planned habitat preserve within the MSCP Subarea. However, the MSCP and MHPA do not apply to projects within the jurisdiction of the District, including the Proposed Project. Further, the Proposed Project site is not inside the jurisdiction of any other adopted Habitat Conservation Plan. As such, no conflict would occur, and no further discussion within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

V. Cultural Resources

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	☐	☒	☐	☐
b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☒	☐	☐
c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☒	☐
d. Disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☒	☐	☐

Significance criteria established by CEQA Guidelines, Appendix G.

Would the project:

a. Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?

Less Than Significant with Mitigation Incorporated. A cultural resources record search was conducted at the South Coast Information Center, the local repository for the California Historical Resources Information System (CHRIS), located at San Diego State University. To identify any cultural resources on or near the Proposed Project site, a half-mile search radius was utilized. The records search identified 10 previously completed archaeological surveys within portions of the Proposed Project area, and 136 total surveys within a half-mile of the Project site. Fifty-four previously recorded cultural resources were identified within a half-mile of the Project area. Of these, one is a prehistoric archaeological resource (CA-SDI-5931, discussed below) and 53 are historic-era resources. Portions of two previously recorded historic-era cultural resources are within the Project area.

Ten historic-era resources were identified during a built environment pedestrian survey of the Project area (ICF, 2016). These included an evaluation of the TAMT, as well as individual resources consisting of: transit sheds 1 and 2; a bunker fuel shed; molasses tanks; truck scale building; bulk loader; Warehouse B; Warehouse C; railroad tracks; and silos. The identified historic-era built environment resources within the study area were evaluated individually and collectively as a District for California Register of Historical Resources (CRHR) eligibility and were found to be ineligible for listing in the CRHR either as individual resources or as a District. None of the historic-era built environment resources within the study area appear to qualify as historical resources for the purposes of the California Environmental Quality Act (CEQA). Therefore, the Proposed Project would not result in a significant impact on a historical resource as defined by CEQA.

Historic maps and aerial photographs indicate that one previously recorded cultural resource, CA-SDI-16385, the historic-period Santa Fe Railway line (constructed in 1882 and 1883), was close to the eastern boundary of the Proposed Project site. That segment of the Santa Fe Railway line was part of a larger 5.9-mile segment surveyed and evaluated for National Register of Historic Places (NRHP) eligibility in 2002. The railway line was found to have insufficient historical integrity to convey any significance attributable to it.

One previously recorded prehistoric resource, CA-SDI-5931, is located within 125 to 180 feet of the Proposed Project site and may be subject to direct and indirect impacts associated with Project implementation. The recorded portions of CA-SDI-5931 are east of the Project site boundary, as depicted in TAMT Final PEIR Figure 4.4-1 (ICF, 2016). CA-SDI-5931 consists of an extensive artifact scatter and included one Native American burial found during grading activities within the rail yard adjacent to the terminal. The site was tested in 1993, and the record suggests the possibility of intact buried deposits and possible other

prehistoric human remains beyond the areas tested. Thus, the exact boundaries of site CA-SDI-5931 are not known, and while the site is not directly adjacent to the Project site, it is possible that the site extends into the eastern portion of the Project area. Any ground-disturbing activities within this area could potentially encounter a significant archaeological resource, and damage to such a resource may occur absent the use of TAMT Final PEIR MM-CUL-1 (Archaeological Monitoring in Areas of Sensitivity), as follows:

MM-CUL-1: Archaeological Monitoring in Areas of Sensitivity. To reduce potential impacts on CA-SDI-5931, all proposed grading and, excavating, and geotechnical testing for the proposed project in the area of potential archaeological sensitivity shall be monitored by a qualified archaeologist(s), who meets the Secretary of the Interior's Professional Qualifications Standards, as promulgated in 36 CFR 61, and a Native American cultural monitor, the latter of which has been requested by the Viejas Band of Kumeyaay Indians. The sensitive portion of the project area, where it is possible that artifacts associated with CA-SDI-5931 could be buried, is immediately east of Warehouse C and south and east of the silo complex and the rail car unloading building, as indicated on [TAMT Final PEIR] Figure 4.4-1. The sensitive area includes the molasses tanks, truck scale building, spur lines north, east, and south of the molasses tanks, and paved and unpaved parking areas near the Crosby Road entrance. The following additional conditions shall only apply to the sensitive portion of the project area indicated on [TAMT Final PEIR] Figure 4.4.-1 during earthwork activities, including grading and trenching.

- The Qualified Archaeologist shall participate in a preconstruction meeting to inform all personnel of the potential for historical archaeological materials to be encountered during ground-disturbing If an isolated artifact or historic period deposit is discovered that requires salvaging, the Qualified Archaeologist shall have the authority to temporarily halt construction activities within 100 feet of the find and shall be given sufficient time to recover the item(s) and map its location with a global positioning system (GPS) device.
- If a potentially eligible Native American archaeological resource is discovered, the Qualified Archaeologist shall have the authority to temporarily halt construction activities within 100 feet of the find until a Qualified Archaeologist Principal Investigator (PI) makes a determination regarding the significance of the resource.
- The PI will notify the District to discuss the significance determination and shall also submit a letter indicating whether additional mitigation is required. If the resource is determined to be not significant, the PI shall submit a letter to the District indicating that artifacts will be collected, curated, and documented in the Final Monitoring Report. The letter shall also indicate that no further work is required.
- If the resource is determined to be significant, the PI shall submit an Archaeological Data Recovery Plan that has been reviewed by the Native American consultant/monitor, and obtain written approval from the Port to complete data recovery. Impacts on significant resources must be mitigated before ground-disturbing activities in the area of discovery will be allowed to resume.
- The Qualified Archaeologist shall treat recovered items in accordance with current professional standards by properly determining provenance, cleaning, analyzing, researching, reporting, and Secretary of the Interior's Standards, as promulgated in 36 CFR 79, such as the San Diego Archaeological Center.
- Within 60 days after completion of the ground disturbing activity, the Qualified Archaeologist shall prepare and submit a final report to the District for review and approval, which shall discuss the monitoring program and its results, and provide interpretations about the recovered materials, noting to the extent feasible each item's class, material, function, and origin.

The Proposed Project would implement MM-CUL-1. With implementation of TAMT Final PEIR MM-CUL-1 impacts to sensitive historic resources would be less than significant, and no further evaluation within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?

Less Than Significant with Mitigation Incorporated. No known unique archaeological resources are present within the Proposed Project area. However, it is possible that previously unknown unique archaeological resources could be discovered, and damaged or destroyed during ground disturbing work, which would constitute a significant impact absent mitigation. Therefore, TAMT Final PEIR MM-CUL-1 (Archaeological Monitoring in Areas of Sensitivity) is would apply to the Project to reduce impacts to unique archaeological resources to a less-than-significant level. No further evaluation within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less Than Significant Impact. The Project area rests on the Bay Point Formation, which is a nearshore marine sedimentary deposit that dates from the late to middle Pleistocene, roughly 10,000 to 600,000 years ago. A tremendous variety of invertebrate and vertebrate fossils have been found in this deposit, including both marine and terrestrial animals, with mammoth and whale remains being some of the most significant. The formation is assigned high resource sensitivity by the City of San Diego; however, the City of San Diego's CEQA Significance Determination Thresholds state that potential significant impacts on the Bay Point Formation could occur if Project-related activities reach depths greater than 10 feet and remove more than 1,000 cy of soil. Utility work near the transit sheds would occur between five and 10 feet below the ground; no other Project-related activities would affect areas beneath the terminal surface. Digging and trenching activities at the Project site are not anticipated to go deeper than 10 feet, which is the depth at which high sensitivity begins. The Proposed Project would involve excavation of up to 10,460 cy per Phase under a worst case scenario for Option A with underground piping. However, most of the Project area consists of non-native fill soil. Therefore, the Proposed Project would not directly destroy a unique paleontological resource, site, or unique geologic feature. Impacts would be less than significant, and no further evaluation within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

d. Disturb any human remains, including those interred outside of dedicated cemeteries?

Less Than Significant with Mitigation Incorporated. No human remains are known to be located within the Project area. However, the eastern portion of the study area for cultural resources is potentially sensitive for archaeological deposits and prehistoric human remains because of its proximity to CA-SDI-5931, as discussed under Initial Study Section V (a), above. Any ground-disturbing activities that would occur within this area would be monitored by a qualified archaeologist and a Native American monitor pursuant to TAMT Final PEIR MM-CUL-1 (Archaeological Monitoring in Areas of Sensitivity).

Outside of this area of sensitivity, most ground-disturbing activities would be situated within an area that was once bay waters prior to the year 1900. The majority of the Project site was filled using non-native soils during the first five decades of the twentieth century. Therefore, there is a very low potential for human remains to be located within project areas outside of the area of high sensitivity near CA-SDI-5931. Should an unexpected discovery be made, however, California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98 would apply. Because existing laws preclude the potential to affect possible buried prehistoric human remains and TAMT Final PEIR MM-CUL-1 would require monitoring in the area that may contain buried human remains, impacts would be less than significant. No further evaluation within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

VI. Geology and Soils

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
b. i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
c. ii. Strong seismic groundshaking?	☐	☐	☒	☐
d. iii. Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
e. iv. Landslides?	☐	☐	☐	☒
f. Result in substantial soil erosion or the loss of topsoil?	☐	☐	☐	☒
g. Be located on geologic units or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☐	☒	☐
h. Be located on expansive soil, as defined in Section 1803.5.3 of the California Building Code (2010), creating substantial risks to life or property?*	☐	☐	☒	☐
i. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	☐	☐	☐	☒

*Geology and Soils question (d) reflects the current 2013 California Building Code (CBC), effective January 1, 2014, which is based on the International Building Code (2009).
Significance criteria established by CEQA Guidelines, Appendix G.

Would the project:

a. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

Less Than Significant Impact. The City of San Diego Safety Study, Geologic Hazards and Faults, Sheet 17, defines the eastern portion of the Proposed Project site, including Warehouse C, as being within Hazard Category 11, which is defined as the active, Alquist-Priolo Earthquake Fault Zone. According to the California Geological Survey Earthquake Fault Zone Map for the Point Loma Quadrangle, the Silver Strand Segment of the Rose Canyon Fault Zone is mapped as crossing Warehouse C. The Silver Strand Segment of the Rose Canyon Fault Zone is considered active, and there is a potential for ground rupture associated

with onsite faulting. In addition, a Geotechnical Investigation prepared for the Proposed Project notes that ground rupture due to active ground faulting is possible at Warehouse C (Group Delta Consultants, Inc., 2017a). The Project's Geotechnical Investigation concludes that the thickness and characteristics of the soils overlaying these faults should attenuate surface manifestations from fault ruptures; however, it also concludes that surface deformations associated with faulting could be on the same order of magnitude as those estimated for liquefaction and dynamic settlement (See Initial Study Sections VI (a) (III) and (c) (Group Delta Consultants, Inc., 2017a). Although impacts associated with potential faulting could be significant, implementation of the Proposed Project includes incorporation of all of the project features contained in the Project's Geotechnical Investigation (see Appendix A). Therefore, these impacts would be less than significant, and no further analysis of fault rupture within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

ii) Strong seismic groundshaking?

Less Than Significant Impact. As discussed in Initial Study Section VI (a) (i), according to the City of San Diego Safety Study, Geologic Hazards and Faults, Sheet 17 identifies the eastern portion of the Proposed Project site, including Warehouse C, as being within Hazard Category 11, which is defined as the active, Alquist-Priolo Earthquake Fault Zone. According to the California Geological Survey Earthquake Fault Zone Map for the Point Loma Quadrangle, the Silver Strand Segment of the Rose Canyon Fault Zone is mapped as crossing Warehouse C. The Silver Strand Segment of the Rose Canyon Fault Zone is considered active, and there is a potential for ground shaking.

The Geotechnical Investigation prepared for the Proposed Project (see Appendix A) contains design features for the Project in Table 2 (2016 CBC [California Building Code] Acceleration Response Spectra (Site Specific)) and Chapter 6 (Group Delta Consultants, 2017a). These recommendations are proposed as part of the Proposed Project's design and construction. With implementation of these project features impacts would be less than significant, and no further analysis of seismic groundshaking within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

iii) Seismic-related ground failure, including liquefaction?

Less Than Significant Impact. The Proposed Project site is underlain by relatively loose, unconsolidated bay deposits and fill materials. The potential for liquefaction at the Proposed Project site is high due to the area's shallow groundwater table and the low density of the underlying sandy subsurface materials. Additionally, the City of San Diego Safety Study, Geologic Hazards and Faults, Sheet 17, maps the Proposed Project site as being in an area with a high potential for liquefaction.

Three simultaneous conditions are required for liquefaction: (1) historic high groundwater within 50 feet of the ground surface; (2) liquefiable soils such as loose to medium dense sands; and, (3) strong groundshaking, such as that caused by an earthquake (Group Delta Consultants, Inc., 2017a). The Geotechnical Investigation prepared for the Proposed Project estimates that post-liquefaction differential settlement of the soil underlying Warehouse C could be between 3.5 to 4 inches at 40 feet (Group Delta Consultants, Inc., 2017a). This could cause substantial distress to the existing warehouse, and potential impacts from liquefaction could range from moderate to severe (Group Delta Consultants, Inc., 2017a). However, implementation of the Proposed Project includes the features contained in the Geotechnical Investigation, including supporting piles within those areas of Warehouse C that are proposed for renovation to prevent or lessen these types of effects (see Appendix A). As such, potentially adverse impacts associated with liquefaction would be less than significant, and no further analysis with the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

iv) Landslides?

No Impact. According to the Landslide Hazards map for the Point Loma Quadrangle, the Proposed Project site is within an area mapped as being least susceptible to landslides. Additionally, based on the relatively flat topography of the Proposed Project site, landslides would not be anticipated to occur. Therefore, no impacts would occur and no further evaluation within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

b. Result in substantial soil erosion or the loss of topsoil?

No Impact. The Proposed Project site is fully paved and does not contain any naturally occurring soils, including topsoils. Therefore, the Proposed Project would not affect or increase the potential for either soil erosion or the loss of topsoil. No impacts would occur, and no further evaluation within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

c. Be located on geologic units or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?

Less Than Significant Impact. Please refer to Initial Study Sections VI (a) (iii) and (iv), respectively, for a discussion of potential impacts associated with liquefaction and landslides. The Proposed Project site is underlain by relatively loose, unconsolidated bay deposits and fill materials, and is located on an active fault segment (the Silver Strand Segment of the Rose Canyon Fault Zone). The Project site additionally has a relatively shallow groundwater table (approximately 4.6 feet above the mean Lower low water level) (Group Delta Consultants, Inc., 2017a). Therefore, the potential for lateral spreading, subsidence, and collapse are considered high.

Lateral spreading occurs when there is liquefiable soil in the immediate vicinity of a free face, such as a slope. The Proposed Project site is relatively flat with no exposed slopes. The closest surface slope with the potential for lateral spreading during an earthquake is the TAMT's San Diego Bay quay wall. Due to the quay wall's distance from the Proposed Project site, which is greater than 500 feet, it is expected that those portions of the TAMT located south of Warehouse C would primarily be affected by lateral spreading in the event of a strong seismic event, and that impacts to Warehouse C itself would be relatively low (Group Delta Consultants, Inc., 2017a). Therefore impacts due to lateral spreading would be considered to be less than significant or no impact, and no further evaluation within the context of a SEIR is warranted.

Subsidence is the gradual settling or sudden sinking (e.g., collapse) of an area's ground surface primarily due to such processes as aquifer compaction, the drainage of organic soils, hydrocompaction, natural compaction, as well as underground mining and oil and gas extraction. The Proposed Project's Geotechnical Report notes a continuous bed of soft, compressible fat clay at depths between approximately 23 and 28 feet below the interior floor grades of Warehouse C (Group Delta Consultants, Inc., 2017a). As a result, conventional consolidated settlement and secondary compression of soils underlying Warehouse C has occurred and is expected to continue (Group Delta Consultants, Inc., 2017a). The Proposed Project's Geotechnical Investigation provides design features in Chapter 6 to lessen the effects of compressible soils and potential distress to the structural integrity of Warehouse C; these Proposed Project features would be implemented during final design and construction. Therefore, impacts associated with subsidence and collapse would be less than significant, and no further evaluation within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

d. Be located on expansive soil, as defined in Section 1803.5.3 of the California Building Code (2010), creating substantial risks to life or property?

Less Than Significant Impact. The Proposed Project site is underlain by bay deposits and fill materials. These materials are anticipated to be sandy in nature and possess a low Expansion Index (EI). However, the Proposed Project's Geotechnical Report concludes that although the clayey sands underlining Option A's track lane have a low expansion potential (e.g., an EI of less than 50), these soils may not fully support truck loads, and that more highly expansive clays may occur in other portions of the Project site (Group Delta Consultants, Inc., 2017a). Project features, as identified in the Geotechnical Report (see Appendix A) would minimize the expansive soil heave. Specifically the Proposed Project would place two feet of imported low expansion sand and aggregate base directly below the Option A truck lane. Therefore, impacts associated with expansive soils would be less than significant, and no further evaluation within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

No Impact. The Proposed Project does not include the construction and operation of septic tanks or alternative wastewater disposal systems. No impacts would occur, and no further evaluation within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

VII. Greenhouse Gas Emissions

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☒	☐	☐	☐
b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☒	☐	☐	☐

Significance criteria established by CEQA Guidelines, Appendix G.

Would the project:

a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Potentially Significant Impact. The Proposed Project's construction-phase activities would temporarily increase greenhouse gas (GHG) emissions associated with off- and on-road equipment use. Increased terminal operations would increase GHG emissions associated with vessel calls, truck trips, worker trips, and energy and water use. These increases in GHG emissions could potentially, either directly or indirectly, have a significant impact on the environment by exceeding established thresholds for GHG emissions. Therefore, further analysis within the context of a SEIR is warranted, including a determination of consistency with the TAMT Final PEIR's analysis and conclusions.

b. Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases?

Potentially Significant Impact. The District has enacted a variety of policies and plans to reduce GHG emissions as part of its Climate Action Plan (SDUPD, 2013), including the implementation of shore power, equipment and truck replacement/retrofits, vessel speed reductions, and the Clean Truck Program. The Proposed Project would increase GHG emissions because of the marine and truck transportation associated with the cement and cementitious materials throughput that is proposed, and therefore may conflict with or impede implementation of plans, policies, or regulations that were adopted to reduce the emissions of GHG. Therefore, further analyses of these issues within the context of a SEIR is warranted, including a determination of consistency with the TAMT Final PEIR's analysis and conclusions.

VIII. Hazards and Hazardous Materials

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☒	☐	☐
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☒
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☐	☒
f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☐	☒
g. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
h. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	☐	☐	☐	☒

Significance criteria established by CEQA Guidelines, Appendix G.

Would the project:

a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less Than Significant Impact. The potential for the Proposed Project to create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials during construction and operation was analyzed in the TAMT Final PEIR. Full buildout of the TAMT Redevelopment Plan includes additional throughput of dry bulk storage (cement, bauxite, or soda ash), which is sufficient to cover the estimated 600,000 MT/yr of cementitious material that the Proposed Project would involve.

Although the Proposed Project would result in increases in the amounts of common types of hazardous materials typical for the terminal (e.g., fuel, cleaning products and solvents, paints, oils, and grease associated with equipment operation and maintenance), such transport, use, and disposal would be required to comply with applicable local, State, and federal regulations. As a consequence, the TAMT Final PEIR concludes that impacts associated with the Proposed Project's construction and operation would be less than significant, and no further discussion of this subject within the context of a SEIR is required. This conclusion is consistent with the findings of the TAMT Final PEIR.

b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less Than Significant Impact with Mitigation. A site screening for hazardous materials was conducted in February 2016 for proposed construction activities associated with Bay C-7, and its findings and conclusions are provided in an Environmental Test Results Report dated February 28, 2017 (Group Delta Consultants, Inc., 2017b). The screening was not intended to serve as a Phase II Environmental Site Assessment per the requirements of the San Diego Department of Environmental Health (DEH) (Group Delta Consultants, Inc., 2017b). Eight soils samples were collected and analyzed. VOCs, Polychlorinated Biphenyls (PCBs), Organochloride Pesticides (OCPs), Organophosphorus Pesticides (OPPs) and chlorinated herbicides were not detected in any of the samples taken (Group Delta Consultants, Inc., 2017b). Thirteen Title 22 metals were detected, all of which were found to be below federal and State hazardous waste thresholds (Group Delta Consultants, Inc., 2017b). In each sample taken, arsenic concentrations did not exceed 4.01 milligrams per kilogram (mg/kg), all of which fall under the Department of Toxic Substance Control's (DTSC's) 12 mg/kg upper bound background level for arsenic concentrations; however, these concentrations do exceed the California Human Health Screening Level CHHSL) for commercial land uses (0.24 mg/kg) (Group Delta Consultants, Inc., 2017b). The TAMT Final PEIR identifies two mitigation measures MM-HAZ-1 (Compliance with the Soil Management Plan) and MM-HAZ-2 (Implement Engineering Controls and Best Management Practices during Construction), as follows:

MM-HAZ-1: **Compliance with Soil Management Plan.** Prior to approval of the project grading plans and the commencement of any construction activities that would disturb the soil, the District or tenant, whichever is appropriate, and the contractor (collectively "Contractor") shall demonstrate compliance with the 10th Avenue Marine Terminal, San Diego, CA, Soil Management Plan, prepared by Tetra Tech EM, Inc., November 24, 2010 (Appendix J-1 of the [TAMT] Draft [P]EIR) and consider the existing presence of the permitted underground storage tank on site (shown on [TAMT Final PEIR] Figure 4.7-1). Specifically, the Contractor shall demonstrate compliance with the following specific requirements of the plan including, but not limited to, the following.

Conduct Soil Testing. The Contractor shall comply with the excavated soil management techniques specified in the plan. The Contractor shall follow the soil sampling protocol and soil sampling objectives, and shall comply with the soil characterization methodology identified within the plan.

Prepare and Implement a Community Health and Safety Program. The Contractor shall develop and implement a site-specific Community Health and Safety Program (Program) that addresses the chemical constituents of concern for the project site. The guidelines of the Program shall be in accordance with the County of San Diego's Department of Environmental Health's Site Assessment and Mitigation Manual (2009) and Environmental Protection Agency. Program shall include detailed plans on air monitoring and other appropriate construction means and methods to minimize the public's and site workers' exposure to the chemical constituents. The contractor shall utilize a Certified Industrial Hygienist with significant experience with chemicals of concern on the project site to approve the Program and actively monitor compliance with the Program during construction activities.

Complete Soil Disposal. Any soil disturbed by construction activities shall be profiled and disposed of in accordance with California Administrative Code, Title 22, Division 4.5 requirements. If soils are determined to be appropriate for reuse, they may be exported to Chula

Vista Bayfront Harbor District area for use as fill material, provided the area is not previously developed and not classified as an environmentally sensitive area. Several Chula Vista Bayfront Harbor District parcels that have been cleared through the environmental review process to be used as streets and surface parking and to support subsequent development have been identified as appropriate locations to receive soils deemed suitable for reuse in [TAMT Final PEIR] Appendix J-3.

If soils are determined to be hazardous and not suitable for reuse, they shall be disposed of at a regulated Class I landfill. Soils shall be transported in accordance with the Soil Management Plan. Soils to be loaded into trucks for offsite disposal at a Class I landfill shall be moistened with a water spray or mist for dust control in accordance with [TAMT Final PEIR] Section 4.7, Dust Control, of the Soil Management Plan. If dust is visible, positive means shall be applied immediately to prevent airborne dust. Care shall be used to minimize the amount of water applied to soils that may contain elevated concentrations of contaminants.

Loaded truck beds shall be covered with a tarp or similar covering device during transportation to the disposal facility. The truck shall be decontaminated after the soil has been removed. The Contractor shall minimize excess water generated during truck decontamination to the extent possible and shall be responsible for proper disposal of any contaminated water generated during truck cleanout.

MM-HAZ-2: Implement Engineering Controls and Best Management Practices during Construction. Prior to construction, a site-specific Health and Safety Plan shall be prepared by the contractor and approved by a licensed California Certified Industrial Hygienist. The Health and Safety Plan shall be prepared per the requirements of 29 Code of Regulations 1910.120 and California Code of Regulations, Title 8, along with applicable federal, state, and local regulations and statutes. During construction, the contractor shall employ engineering controls and BMPs to minimize human exposure to potential contaminants, if encountered. Engineering controls and construction BMPs shall include but not be limited to the following.

Where required by the Health and Safety Plan, the contractor employees working on site shall be certified in the Occupational Health and Safety Administration's 40-hour Hazardous Waste Operations and Emergency Response training.

- Contractor shall monitor the area around the construction site for fugitive vapor emissions with appropriate field screening instrumentation.
- Contractor shall monitor excavation through visual observation by a qualified hazardous materials specialist to look for readily noticeable evidence of contamination, such as staining or odor.
- Contractor shall water/mist soil as it is being excavated and loaded onto transportation trucks.
- Contractor shall place any stockpiled soil in areas shielded from prevailing winds and shall cover all stockpiles to prevent soil from eroding.
- Contactor shall thoroughly decontaminate all construction equipment that has encountered and/or handled lead-impacted soil prior to leaving the work site.

Implementation of MM-HAZ-1 and MM-HAZ-2 is warranted due to the identified CHHSL exceedances of arsenic.

Total Petroleum Hydrocarbon (TPH) was detected in the two samples collected at a depth of 20 feet; in one sample diesel and motor oil were detected at concentrations of 97 mg/kg and 270 mg/kg, respectively, and in the other sample diesel was detected at a concentration of 6.5 mg/kg (Group Delta Consultants, Inc., 2017b). TPH concentrations have not been assigned State or federal hazardous waste thresholds.

Based upon laboratory testing results of the site screening, exported soil may be suitable for disposal at a Class III municipal solid waste facility (Group Delta Consultants, Inc., 2017b). TPH, lead and mercury levels detected at 20-feet below grade exceed Tier I Screening Levels for residential reuse as stipulated by the

San Diego Regional Water Quality Control Board (RWQCB) in Condition Waver Number 10 (CW10), of Resolution R9-2014-0041 and the DEH in its Site Assessment and Mitigation (SAM) Manual and thus are not suitable for reuse, although lead and mercury concentrations of the samples taken do not exceeds the Tier 2 Soil Screening Levels for commercial use (Group Delta Consultants, Inc., 2017b). As a consequence, soil excavated from depths greater than 15 feet below grade, if any, should be disposed of as a non-hazardous waste at a Class III municipal solid waste landfill, or stockpiled on-site and resampled and retested to determine the eligibility of reuse under the oversight of the San Diego RWQCB (Group Delta Consultants, Inc., 2017b).

In addition to the above, previous assessments have found petroleum hydrocarbons, VOCs, semi-VOCs (SVOCs), polycyclic aromatic hydrocarbons (PAHs), and metals (copper, zinc, and lead) as a result of hydraulic fill material used for the reclaimed tidelands, historical uses (creosote wood treatment facility, former burn dump, metal scrap yard), and from unauthorized petroleum hydrocarbon releases in the vicinity of the Proposed Project site. The presence of these hazardous materials could create a significant hazard to the public or the environment during soil disturbance activities associate with the Project.

Implementation of the Proposed Project could result in the potential to encounter soil contamination during construction that could result in a significant hazard to the public or the environment if not managed properly. Implementation of MM-HAZ-1 and MM-HAZ-2 may reduce impacts to less than significant; however, further analysis and discussion is warranted within the context of a SEIR to evaluate previous environmental assessments conducted at Warehouse C, as well as potential impacts associated with several of the Proposed Project's options: truck loading inside or outside Warehouse C (Options A and B); and, under- or above-ground ship unloading pipelines (Options 1 and 2).

Implementation of the Proposed Project also has the potential to create a significant hazard to the public or the environment through the disturbance of hazardous building material present within Warehouse C. In 2013, a Hazardous Building Materials Survey (HBMS) of Bays C-8, C-10, C-12, C-13 and C-14 of Warehouse C was conducted, and several building components with asbestos-containing materials (ACM) and lead-containing surfaces (LCS) were identified (Ninyo and Moore, 2013). As stated in the TAMT Final PEIR, any demolition or grading activities shall comply with California Code of Regulations, Title 8, Industrial Relations, which provides specific guidance for the removal and disposal of ACM and LCS. With implementation of MM-HAZ-1, MM-HAZ-2 and Title 8 of the California Code of Regulations impacts would be less than significant and no further discussion within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

No Impact. No existing or proposed schools are located within 0.25 mile of the Project site boundaries (Warehouse C and Berths10-7/10-8). The closest school to the Proposed Project's boundaries is the Perkins Elementary School, which is an estimated 1,700 feet, or 0.32 mile, northeast of the Proposed Project site; therefore, Proposed Project activities would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances or wastes within 0.25 mile of an existing or proposed school, and no further discussion within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

No Impact. The TAMT Final PEIR indicates one site immediately east of the Project Site (Site 15, Freight Handlers, Inc.) as being listed on the State Water Resources Control Board's (SWRCB's) Geotracker database; however, this site has been closed (ICF, 2016). The TAMT Final PEIR also notes a second site, (Site 35, Water Street Site) located an estimated 445 feet southeast of the southeast side of Warehouse C, as a being a Geotracker clean-up site for diesel contamination that is currently open (ICF, 2016). No areas of Warehouse C itself, or the areas associated with the Proposed Project's outside truck loading racks (Option B) or subterranean pipelines (Sub-Option 1) are on a list of hazardous materials sites compiled pursuant to Cortese List Data resources (Governmental Code 65962.5). Therefore, no impacts would occur,

and no further discussion of this subject is warranted within the context of a SEIR. This conclusion is consistent with the findings of the TAMT Final PEIR.

e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

No Impact. The Proposed Project site is located approximately two miles south of San Diego International Airport (SDIA). As discussed in the TAMT Final PEIR, the Project site is within Review Area 2 of the Airport Influence Area, per the SDIA Airport Land Use Compatibility Plan (ALUCP) (SDIA, 2014). The tallest feature associated with the Proposed Project would be the dust collectors placed on the warehouse's existing roof, which would have a maximum height of 75 feet above ground level. This height would not conflict with the Federal Aviation Administration's (FAA's) height threshold requiring submittal of a Notice of Proposed Construction or Alternation; the FAA's threshold for such constructed or altered structures is 200 feet in height above a site's ground level (FAA, 2017). There are no other airports or ALUCPs in the vicinity of the Proposed Project site. Based upon the above, no impacts would occur, and no further discussion of this subject is warranted within the context of a SEIR. This conclusion is consistent with the findings of the TAMT Final PEIR.

f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?

No Impact. The Proposed Project site is not located in the vicinity of a private airstrip; therefore, implementation of the Proposed Project would not result in a safety hazard for people residing or working in the Project area. No impact would occur, and no further discussion of this subject is warranted within the EIR. This conclusion is consistent with the findings of the TAMT Final PEIR.

g. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less Than Significant Impact. Emergency response and excavation is the responsibility of police and fire service providers as detailed in Initial Study Section XIV (Public Services). As discussed in the TAMT Final PEIR, the receipt, storage and distribution of cement and cementitious materials would not introduce any operational activities that would generate new or increased demands on police and fire protection services. The Proposed Project's throughput, use (dry bulk) and employee count are all within the confines of what was analyzed in the PEIR and hence, would not create the need for additional police and fire services. Transport of cargo to and from the Proposed Project site would continue in a planned and controlled manner that would not impair implementation of the approved emergency response plan.

The proposed project would be required to comply with applicable requirements set forth by the County of San Diego Office of Emergency Services (OES) Operational Area Emergency Plan, the City of San Diego Police Department, and the City of San Diego Fire Department. OES coordinates emergency response at the local level in the event of a disaster, including fires. This emergency response coordination is facilitated by the Operational Area Emergency Operations Center and responding agencies to the proposed project site, the City of San Diego Police and Fire Departments and San Diego Harbor Police Department. Impacts would be less than significant, and no further discussion of this subject within the context of a SEIR is warranted.

h. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

No Impact. The Proposed Project site is located within the TAMT, near downtown San Diego and adjacent to San Diego Bay. There are no wildlands or heavily vegetated areas in the vicinity of the Proposed Project site, and implementation of the Project would not expose people or structures to a significant risk of loss, injury, or death involving wildland fires. As such, no impacts would occur, and no further discussion of wildlands or wildland fires is warranted within the context of a SEIR. This conclusion is consistent with the findings of the TAMT Final PEIR.

IX. Hydrology and Water Quality

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Violate Regional Water Quality Control Board water quality standards or waste discharge requirements?	☐	☐	☒	☐
b. Substantially deplete groundwater supplies or interfere substantially with groundwater discharge such that there would be a net deficit in the aquifer volume or a lowering of the local groundwater table level (i.e., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	☐	☐	☒	☐
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in substantial erosion or siltation on or off site?	☐	☐	☐	☒
d. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on or off site?	☐	☐	☐	☒
e. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	☐	☐	☐	☒
f. Otherwise substantially degrade water quality?	☐	☐	☒	☐
g. Place housing within a 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other hazard delineation map?	☐	☐	☐	☒
h. h. Place within 100-year flood hazard area structures that would impede or redirect flood flows?	☐	☐	☐	☒
i. Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam.	☐	☐	☐	☒
j. Cause inundation by seiche, tsunami, or mudflow?	☐	☐	☒	☐

Significance criteria established by CEQA Guidelines, Appendix G.

Would the project:

a. Violate Regional Water Quality Control Board water quality standards or waste discharge requirements?

Less Than Significant Impact. The Proposed Project site is located within the jurisdiction of the San Diego RWQCB, and falls within the Pueblo San Diego hydrologic unit (HU). The San Diego Bay is the receiving water body for surface water runoff from the Project site, which occurs either directly from sheet flows, or indirectly via storm drains. The principal constituents of concern for surface water quality in the project area include coliform bacteria, sediment, salinity, toxic inorganics, and toxic organics (ICF, 2016).

The Proposed Project site is fully developed and surfaced with concrete and asphalt; no surface water bodies or natural drainages occur. No changes to the Project site's existing drainage system are proposed, and only domestic waste would be discharged into the existing sewer system. Additionally, no changes to the existing piles at Berths 10-7/10-8 are proposed, and no in-water activity, such as dredging or fill, would be required.

Construction of the Project would require a maximum of 10,460 cy of excavation per Phase (Option A and Sub-Option 1). Surface and subsurface disturbances that could affect water quality include trenching, grading, concrete removal and repaving, and improvements within the Project Site. Potential impacts due to construction activities on water quality primarily concern sediments, turbidity, and pollutants associated with runoff. Construction could increase the amount of suspended solids contained in storm water flows resulting from erosion of exposed soil. Increased sediment loads could also result in reduced storm flow capacity, resulting in localized ponding or flooding during storm events.

Other pollutants of concern that may be present during Project construction are toxic chemicals from heavy equipment, such as fuels and lubricants, or construction-related materials. These pollutants can be transported with sediment loads or through accidental spills. Other contaminants that could enter runoff from the construction site include metals, petroleum products, and trash. Wash water from equipment and tools and other waste could also be accidentally spilled, potentially leading to the runoff of pollutants into the site's existing drainage or the San Diego Bay. All of these contaminants could contribute to the degradation of water quality.

During Project operation, cementitious materials would be pneumatically transferred from vessels using either above or below-ground piping to Bays C-7 though C-10 of Warehouse C, which would be sealed to minimize the loss of material during handling. The materials would then be loaded into trucks using two silos. No heavy equipment would be required, thereby minimizing the potential for accidental spills or releases of fuels and lubricants. However, accidental releases or spills of truck fuels, greases, oils or lubricants could occur, which could potentially contribute to water quality degradation if not properly contained and cleaned up. Containment and clean-up efforts would be required to comply with established source controls, pollutant control BMPs, and the Project's SWPPP and District-approved Storm Water Quality Management Plan (SWQMP).

Increased vessel throughput at Berths 10-7/10-8 could also affect the Bay's water quality from propeller wash, ballast water, or a vessel rupture. Propeller wash increases the potential for scour and erosion of the slopes and bottoms of navigation channels, thereby increasing turbidity. Ballast water can occasionally contain materials that can harm surface waters. Primary contaminants include invasive marine plants and animals, bacteria, and pathogens that can harm or displace native aquatic species. Vessel groundings or collisions could result in the discharge of fuels or other toxic chemicals into the Bay. It is noted, however, that the potential for a vessel rupture incident is low (ICF, 2016).

Implementation of the Proposed Project would require compliance with the source controls, site design, and pollutant control BMPs specified by the Project's SWPPP, and the Project would also be required to comply with a District-approved SWQMP which would include good housekeeping practices (including practices regarding heavy equipment), non-stormwater management, proper waste handling, secondary containment for hazardous materials and waste, and education and training. Additionally, the Project would be required to comply with the BMPs identified in the San Diego Harbor Safety Plan to avoid or mitigate unsafe vessel conditions. Therefore, the Proposed Project would not violate RWQCB water quality standards

or waste discharge requirements. Impacts would be less than significant, and no further evaluation of the subject is warranted within the context of a SEIR. This conclusion is consistent with the findings of the TAMT Final PEIR.

b. Substantially deplete groundwater supplies or interfere substantially with groundwater discharge such that there would be a net deficit in the aquifer volume or a lowering of the local groundwater table level (i.e., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?

Less Than Significant Impact. The Proposed Project would involve improvements to Warehouse C, as well as the excavation and repaving of existing impervious surfaces. It would not, however, result any change to the amount of impervious surface area associated with the TAMT. Given the depth of grading and trenching that is anticipated, dewatering would not be expected to be necessary.

Because of the Project's proximity to the San Diego Bay, groundwater at the Project site is saline from saltwater intrusion, and, therefore, it is not used as a potable water source; consequently, the Proposed Project would not impact drinking water. Impacts related to lowering a groundwater table and interfering with groundwater recharge would be less than significant, and no further evaluation of this subject is warranted within the context of a SEIR. This conclusion is consistent with the findings of the TAMT Final PEIR.

c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in substantial erosion or siltation on or off site?

No Impact. The topography of the Proposed Project site is flat or sloping slightly downward from east to west. The existing storm drain system includes catch basins that have been equipped with filter inserts and a water treatment system on the main 36-inch diameter storm drain discharge lines. The Proposed Project would not require any modifications to the existing storm drain system. Consequently, no impacts related to changes in existing drainage patterns, including erosion and/or siltation would occur, and no further evaluation of this subject within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

d. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on or off site?

No Impact. As noted in Initial Study Section XIV (a), the Proposed Project site does not contain any naturally occurring watercourses and is completely surfaced with asphalt and concrete. Additionally, the site includes an existing drainage system that would not be affected by implementation of the Proposed Project. As a result, no substantial changes in drainage patterns would occur, and the Project would not cause surface runoff to result in flooding on- or off-site. No impacts would occur, and no further evaluation of this subject within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

e. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

No Impact. The Proposed Project does not involve any modifications to the TAMT's existing stormwater drainage system, and would not increase the existing site's surface water runoff. Therefore, the Proposed Project would not exceed the capacity of the TAMT's existing stormwater drainage system, and would not cause an additional source of polluted runoff. No impacts would occur, and no further evaluation of this subject within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

f. Otherwise substantially degrade water quality?

Less Than Significant Impact. As addressed in Initial Study Section XIV (a), construction and operation of the Proposed Project would be require compliance with the source controls, site design, and pollutant control BMPs specified by the Project's SWPPP, as well as a District-approved SWQMP, which would include good housekeeping practices (including practices regarding heavy equipment), non-stormwater management, proper waste handling, secondary containment for hazardous materials and waste, and education and training. Additionally, the Proposed Project would be required to comply with the Best Maritime Practices identified in the San Diego Harbor Safety Plan to avoid or mitigate unsafe vessel conditions. With these implementation of these measures, potential impacts to water quality would be less than significant, and no further analysis of this subject within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

g. Place housing within a 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other hazard delineation map?

No Impact. The Proposed Project does not involve the construction of any housing or other type of structure suitable for human habitation. Additionally, the Proposed Project site is located within an area of the TAMT that is designated as "500 Year Floodplain" by the Federal Emergency Management Agency (FEMA) (ICF, 2016). Therefore, no impacts related to housing within a 100-year flood hazard area would occur, and no further evaluation of the subject within the context of a SEIR would occur. This conclusion is consistent with the findings of the TAMT Final PEIR.

h. Place within 100-year flood hazard area structures that would impede or redirect flood flows?

No Impact. As addressed in Initial Study Section XIV (g), the Proposed Project site in not located within a FEMA designated 100-year flood hazard area. Additionally, as noted in Initial Study Section XIV (c), the Proposed Project would not involve any modifications to the TAMT's existing stormwater drainage system. No impacts related to structures placed with a 100-year floodplain would occur, and no impacts related to the impediment or redirection of flood flow would occur. As such, no further evaluation of the subject is warranted within the context of a SEIR. This conclusion is consistent with the findings of the TAMT Final PEIR.

i. Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?

No Impact. The Proposed Project site is located within the TAMT, and is not within the immediate vicinity of any dam or flood control levee. The closest dam is the Sweetwater Reservoir Dam, which is located an estimated 8.7 miles east/southeast of the Project site, and the closest lined water course to the Project site is the Switzer Creek Drainage, which drains into San Diego Bay near Water Street, approximately 1,132 feet north/northwest of Bays C-7 though C-10 (Google Earth, 2016; ICF 2016). Additionally, the Proposed Project is not within a 100-year floodplain and does not involve any modifications to the TAMT's existing stormwater drainage system. Consequently, no impacts to people or structures due to flooding would occur, and no further analysis of the subject within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

j. Cause inundation by seiche, tsunami, or mudflow?

Less Than Significant Impact. The TAMT, including the Proposed Project site, is within a designated high-risk zone for tsunami (ICF, 2016). The Proposed Project site is located on the Bayfront, approximately two miles from the Pacific Ocean. Additionally, the Project site is located at an elevation of approximately 10 feet mean low lower water (MLLW) line (ICF, 2016). As such, considering the Project site's distance from the ocean, the buffering from it provided by landmass, and its height above sea level, the potential for hazards associated with direct wave action in the event of a storm surge, tsunami, or seiche is low.

Conditions under the Proposed Project would be similar to the existing conditions, and would not increase the potential of site inundation. Further, although inundation from a tsunami or seiche is possible, if it were to occur, damage would most likely be limited to ground-floor water damage. Workers would be given

sufficient warning to evacuate the Proposed Project site by the West Coast and Alaska Tsunami Warning Center, which monitors earthquakes and issues tsunami warnings when a tsunami is forecast to occur. Consequently, potential impacts would be less than significant.

As noted in Initial Study Section XIV (c), the topography of the Proposed Project site is flat, and the potential for large-scale slope instability that could lead to mudflow is not present. No impacts due to mudflow would occur.

Based upon the above, impacts associated with inundation due to seiche, tsunami, or mudflow would be less than significant or none, and no further evaluation of the subject within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

X. Land Use and Planning

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Physically divide an established community?	☐	☐	☐	☒
b. Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐
c. Conflict with any applicable habitat conservation plan or natural community conservation plan?	☐	☐	☐	☒

Significance criteria established by CEQA Guidelines, Appendix G.

Would the project:

a. Physically divide an established community?

No Impact. The Proposed Project would not expand the physical boundaries of the TAMT or develop areas outside of its current boundaries. Neither construction nor operation of the Proposed Project would physically divide an established community. No impacts would occur, and no further discussion within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

b. Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

Less Than Significant Impact. The PMP is the guiding land use policy document for all areas under the District's jurisdiction. The Proposed Project site is located in Planning District 4, the TAMT, which is delineated on Precise Plan Map Figure 13 of the PMP. The PMP land use designation within the limits of the Proposed Project site is Marine Terminal. As defined in the PMP, marine terminals provide the facilities necessary for the handling, marshalling and unloading/loading of cargo. Cargo storage space includes long and short-term dry storage, warehouses, silos, cooler and freezer space, and open public storage areas. Marine Terminal warehouses have railroad connections and all are accessible to arterial highways.

The Proposed Project's improvements to Warehouse C, as well as the vessel unloading and truck loading activities that would occur during Project operation, would be consistent with the site's designated Marine Terminal use, as summarized above. The PMP's "Precise Plan Concept" for the TAMT specifies that it is to be maintained for marine oriented industrial activities, and implementation of the Proposed Project would be consistent with that concept.

The Proposed Project is considered an interim use of Warehouse C prior to its demolition, as proposed in the TAMT Final PEIR. The Proposed Project's 600,000 MT annual throughput would be considered new throughput, over and above the dry bulk throughput of 289,864 MT/yr identified in the TAMT Final PEIR as part of existing baseline conditions. It is noted, however, that the previously approved and certified TAMT Final PEIR contemplated 1,987,500 MT/yr of dry bulk throughput for the ultimate buildout of TAMT. Additionally, based on maximum loading capabilities, the maximum number of round-trip truck trips caused by the Proposed Project site would be 176 per day on a peak day, and no more than 145 trucks per day on a 30-day rolling average, which both fall below the threshold established by the TAMT Final PEIR. As such, the Proposed Project is consistent with the analysis contained in the TAMT Final PEIR.

The Proposed Project would require issuance of a Coastal Development Permit (CDP). The Board of Port Commissioners is authorized to grant CDPs for projects under the District's jurisdiction, with a few exceptions identified in the PMP (SDUPD, 2015). None of these exceptions apply to the Proposed Project; consequently, its implementation would not require a permit from the California Coastal Commission. Further, none of the Proposed Project's activities would present new barriers or obstacles related to coastal access. As described in the TAMT Final PEIR, the TAMT is located in an area of the District that is not available for public access (SDUPD, 2016).

The current general rule under CEQA is that an analysis of how existing environmental conditions would affect a project's future users or residents is not required unless the proposed project would exacerbate the condition (see *California Building Industry Assoc. v. Bay Area Air Quality Management District* [Dec. 17, 2015] Cal.4th). However, the proposed project site is within the Coastal Zone and, pursuant to Executive Order S-13-08, the California Coastal Commission considers this issue in determining consistency with the California Coastal Act of 1976, as amended. Therefore, the extent to which existing environmental conditions would affect a project's future users and infrastructure, particularly in terms of sea level rise (SLR), is provided herein.

According to the National Oceanic and Atmospheric Administration's (NOAA) Sea Level Rise and Coastal Flooding Impacts Viewer (NOAA, 2014), portions of the Proposed Project site would be inundated at five and six feet of SLR. Historically in San Diego, the mean sea level trend was 2.08 millimeters/year with a 95 percent confidence interval of +/- 0.18 millimeters per year based on monthly mean sea level data from 1906 to 2014, which is equivalent to a change of 0.68 foot in 100 years. SLR is anticipated to accelerate over the next century. According to NOAA, there is very high confidence (greater than 90 percent chance) that global mean sea level will rise at least 8 inches (0.2 meter) and no more than 6.6 feet (2.0 meters) by 2100 (NOAA, 2014). Furthermore, the June 2012 National Research Council's report titled "Sea-Level Rise for the Coasts of California, Oregon, and Washington: Past, Present, and Future," which was used in the California Coastal Commission's Sea Level Rise Policy Guidance (California Coastal Commission, 2015), projects SLR south of Cape Mendocino to be 0.13 to 0.98 foot (4 to 30 centimeters) by 2030, and 0.39 to 2.0 feet (12 to 61 centimeters) by 2050. Therefore, as the operational lifetime of the Proposed Project would be anticipated to be 15 years following District approval, the Project site is sufficiently above sea level (approximately 7 to 9 feet above existing mean sea level) to prevent any adverse effects from SLR.

No conflicts or inconsistencies with applicable land use plans, policies, or regulations would occur from construction or operation of the Proposed Project. Therefore, no impacts would occur and no further discussion within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

c. Conflict with any applicable habitat conservation plan or natural community conservation plan?

No Impact. The Proposed Project site is within the City of San Diego's MSCP boundaries, but several miles outside of the boundary of its MHPA, which is a planned habitat preserve within the MSCP. However, as described in Initial Study Section IV (f), the MSCP and MHPA do not apply to projects within the jurisdiction of the District. Therefore, the Proposed Project would not be in conflict with a Habitat Conservation Plan or Natural Community Conservation Plan. No impacts would occur, and no further discussion within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

XI. Mineral Resources

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the State?	☐	☐	☐	☒
b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒

Significance criteria established by CEQA Guidelines, Appendix G.

Would the project:

a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the State?

No Impact. The Proposed Project site is located within the TAMT, an area characterized by industrial marine related activities, which does not contain any know mineral resources. The Proposed Project site is additionally underlain by artificial fill. The Project site and its surrounding areas are not designated or zoned as land with the availability of mineral resources (City of San Diego, 2016; City of San Diego, 2017; SDUPD, 2015). In addition, the Project site does not contain aggregate resources, and is not located in a mineral resource zone that contains important resources, as designated by the California DOC, Division of Mines and Geology (ICF, 2016). Therefore, the Proposed Project would not result in any loss of known mineral resources that would be of value regionally or to the State. To the contrary, the primary purpose and need of the Project is to import cement and cementitious materials that are in short supply at local and regional scales. No impact would occur, and no further evaluation of mineral resources is warranted within the context of a SEIR. This conclusion is consistent with the findings of the TAMT Final PEIR.

b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

No Impact. The Proposed Project site does not contain any known aggregate or other mineral resources, and no mining or mineral excavation occurs either within or in close proximity to it. As indicated in Initial Study Section XI (a), the Project site is underlain by artificial fill. Neither the PMP nor the City of San Diego General Plan (and its related Community Plans) identify any mineral resources in the Project area; similarly none of these land use plans designate the Project site for mineral resource extraction (City of San Diego, 2016; SDUPD, 2015). The Proposed Project site and its surrounding areas do not contain locally important mineral resources (ICF, 2016). Therefore, no impacts to locally important mineral resource recovery would occur, and no further evaluation of the subject is warranted within the context of a SEIR. This conclusion is consistent with the findings of the TAMT Final PEIR.

XII. Noise

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☒	☐	☐	☐
b. Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	☒	☐	☐	☐
c. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	☒	☐	☐	☐
d. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	☒	☐	☐	☐
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒
f. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

Significance criteria established by CEQA Guidelines, Appendix G.

Would the project:

a. Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Potentially Significant Impact. Construction and operation of the Proposed Project has the potential to result in the generation of noise levels in excess of established standards established by the City of San Diego. Therefore, further evaluation of construction and operational noise levels warrants further evaluation within the context of a SEIR, including a determination of consistency with the TAMT Final PEIR's analysis and conclusions.

b. Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?

Potentially Significant Impact. Ground disturbance during construction would include excavation activities, which could generate groundborne vibration or noise. Operation of the Project would involve approximately 24,000 round-trip truck trips per year, which could also generate groundborne vibration and noise. Although ground-borne vibration or noise generated by Project activities would not likely extend to surrounding residential uses or other sensitive receptors, vibration levels during Project construction and operation warrants further evaluation within the context of a SEIR, including a determination of consistency with the TAMT Final PEIR's analysis and conclusions.

c. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?

Potentially Significant Impact. The Proposed Project would involve the operation of Bays C-7 through C-10 in Warehouse C, including offloading activities and off-site trucking for the distribution of cement and cementitious materials. These ongoing activities over the course of the 15-year operational life of the Proposed Project would have the potential to substantially increase the ambient noise levels in the Project vicinity above existing levels, resulting in a potentially significant impact. Operational noise levels warrant further evaluation within the context of a SEIR, including a determination of consistency with the TAMT Final PEIR's analysis and conclusions.

d. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?

Potentially Significant Impact. Construction-related activities have the potential to result in a substantial temporary or periodic increase in ambient noise levels in the Project vicinity. An evaluation of existing ambient noise conditions and the Proposed Project's potential to increase them warrant further evaluation within the context of a SEIR, including a determination of consistency with the TAMT Final PEIR's analysis and conclusions.

e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. The Proposed Project would not construct any habitable structures and would not attract large numbers of people to the Project area. In addition, the Proposed Project site is not located within the Forecast Noise Exposure areas identified in Exhibit 2-1 (Noise Contour Map) of the SDIA Airport Land Use Compatibility Plan (SDIA, 2014). Therefore, the Proposed Project would not expose people residing or working in the Project area to excessive airport noise. No impacts would occur, and no further discussion within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

f. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. The Proposed Project is not located within the vicinity of a private airstrip. Therefore, no impacts related to private airstrips would occur, and no further discussion within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

XIII. Population and Housing

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☐	☒
b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒
c. Displace substantial numbers of people necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

Significance criteria established by CEQA Guidelines, Appendix G.

Would the project:

a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

No Impact. The Proposed Project does not involve the construction of new housing. Construction activities would require a small temporary workforce drawn from the local San Diego area. During operation, the Proposed Project would be expected to employ up to 24 workers per shift when vessel unloading and tuck loading occur simultaneously. Both permanent and temporary operational employees would be drawn from the local San Diego workforce. As such, the Proposed Project would not induce in-migration or population growth locally or regionally. Therefore, no impacts would occur, and no further analysis within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

The Proposed Project would result in the receipt, storage and distribution of cement and cementitious materials to the greater San Diego region market area, including materials needed for construction of new public infrastructure projects and other private development projects. However, the Proposed Project would be responding only to existing market demand and would not directly or indirectly cause additional development or population growth in and of itself. Therefore, no impacts would occur, and no further analysis within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

No Impact. The Proposed Project is located on the TAMT. There are no residential uses associated with the site or its surroundings. Therefore, construction of the Project would not directly or indirectly cause the displacement of housing or people. The properties surrounding the Proposed Project would remain fully operational during construction and operation; no businesses would be temporarily or permanently displaced by the Project either directly or indirectly. As such, no impacts would occur, and no further analysis within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

c. Displace substantial numbers of people necessitating the construction of replacement housing elsewhere?

No Impact. The Proposed Project is located within existing Bays C-7 through C-10 of Warehouse C. There are no residential uses associated with the site or its surroundings. Therefore, construction of the Project would not directly or indirectly cause the displacement of housing or people. As such, no impacts would occur, and no further analysis within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

XIV. Public Services

Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Fire protection?	☐	☐	☒	☐
b. Police protection?	☐	☐	☒	☐
c. Schools?	☐	☐	☒	☐
d. Parks?	☐	☐	☒	☐
e. Other public facilities?	☐	☐	☒	☐

Significance criteria established by CEQA Guidelines, Appendix G.

Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:

a. Fire protection?

Less Than Significant Impact. The receipt, storage, and distribution of cement and cementitious materials would not introduce any operational activities that would generate new or increased demands on fire protection. Operation of the project would result in a maximum of 24,000 round-trips annually, which could potentially affect overall traffic congestion of the San Diego Region and the emergency response times of fire protection services. However, truck trips associated with the District and overall traffic volume growth within the San Diego Region has likely already been factored into local emergency fire response services. Consequently, direct Project-related impacts to fire protection services would be anticipated to be less than significant and would not require the provision of new or altered fire stations. No further evaluation within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

b. Police protection?

Less Than Significant Impact. The receipt, storage and distribution of cement and cementitious materials would not introduce any operational activities that would generate new or increased demands on police protection. As discussed under Initial Study Section XIV (a), truck trips could potentially affect overall traffic congestion and the emergency response times of police and Port security. However, truck trips associated with the District and overall traffic volume growth within the San Diego Region has likely already been factored into local emergency police response services. Consequently, direct Project-related impacts to police protection services are anticipated to be less than significant. No further analysis within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

c. Schools?

Less Than Significant Impact. No school facilities are located within or immediately adjacent to the Project site that would be physically impacted. As discussed in Initial Study Section XIII (a), the Proposed Project would not increase population. Jobs generated during construction and operation of the Proposed Project would be drawn from the local workforce already served under existing school capacities. Therefore, the Proposed Project would not increase demand for new schools. Less than significant impacts or no impacts would occur, and no further analysis within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

d. Parks?

Less Than Significant Impact. No park facilities are located within or immediately adjacent to the Proposed Project site that would be physically impacted. As discussed in Initial Study Section XIII (a), the Proposed Project would not increase population. Jobs generated during construction and operation of the Proposed Project would be drawn from the local workforce already served by existing park facilities. Therefore, the Proposed Project would not increase demand for new parks. Less than significant impacts or no impacts would occur, and no further evaluation within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

e. Other public facilities?

Less Than Significant Impact. No other public facilities (libraries, community centers, etc.) are located within or immediately adjacent to the Project site that would be physically impacted. As discussed in Initial Study Section XIII (a), the Proposed Project would not increase population. Jobs generated during construction and operation of the Proposed Project would be drawn from the local workforce already served by existing public facilities. Therefore, the Proposed Project would not increase demand for new public facilities of this type. Less than significant impacts or no impacts would occur, and no further analysis within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

XV. Recreation

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?	☐	☐	☐	☒

Significance criteria established by CEQA Guidelines, Appendix G.

a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

No Impact. An increase in the use of existing parks and recreational facilities typically results from an increase in the number of housing units or residents in an area. The Proposed Project would not result in an increase in local housing. During construction of the Proposed Project approximately 50 employees would be on site, and up to 24 employees during Project operations. As noted in Initial Study Section XIII (a), the workforce would be drawn from the local region. As the Proposed Project would not contribute to an increase in local housing or residences, no impacts to existing parks or recreational facilities would occur. No further evaluation within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

b. Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?

No Impact. The Proposed Project would involve improvements to Warehouse C and adjacent areas within the TAMT. As such, no proposed activities would include the development of a recreational facility. All proposed construction and operational activities would occur within the TAMT. The Proposed Project would not require the construction or expansion of recreational facilities, and no impact associated with recreational facilities would occur. No further analysis within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

XVI. Transportation and Traffic

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume-to-capacity ratio on roads, or congestion at intersections)?	☒	☐	☐	☐
b. Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	☐	☐	☒	☐
c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	☐	☐	☐	☒
d. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☐	☒
e. Result in inadequate emergency access?	☐	☐	☐	☒
f. Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	☐	☐	☐	☒

Significance criteria established by CEQA Guidelines, Appendix G.

Would the project:

a. Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume-to-capacity ratio on roads, or congestion at intersections)?

Potentially Significant Impact. Proposed Project operations would increase truck and automobile traffic, and could conflict with local policies that measure the effectiveness of the circulation system. A Transportation Impact Analysis (TIA) will therefore be prepared and summarized in the SEIR, including a determination of consistency with the TAMT Final PEIR's analysis and conclusions.

c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

No Impact. The Proposed Project would not include any facilities (such as tall buildings or structures, air plumes, etc.) or activities that would either require a change to existing air traffic patterns, or result in any air safety risks. The Proposed Project is limited to the receipt, storage and distribution of cement and cementitious materials. No impact to airspace safety would occur, and no further analysis within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

d. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

No Impact. The Proposed Project does not involve any design modifications to existing street segments or intersections within either the TAMT or the jurisdiction of the City of San Diego. The ingress/egress from Harbor Drive into Warehouse C is designed for large trucks, and is currently used for such purposes. The

Proposed Project involves two options for truck loading: placing the loaders inside Warehouse C (Option A); and, placing the loaders outside of Warehouse C (Option B). Both options have been designed for the safe ingress/egress of trucks receiving cement and cementitious materials. Additionally, as noted in Initial Study Section XVI (a), existing on-site parking design and capacity is sufficient to accommodate construction and operation of the Proposed Project without the need for any modifications. Therefore, the Proposed Project does not have the potential to increase traffic hazards to motorists or create an incompatible traffic-related use. No impacts would occur, and no further analysis within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

e. Result in inadequate emergency access?

No Impact. Construction and operation of the Proposed Project would not require any temporary closures of public roadways or driveways that could impede emergency access either within the TAMT or along streets under the jurisdiction of the City of San Diego. Access to the site from Harbor Drive would be available throughout the life of the Project. No impacts to emergency access would occur, and no further analysis within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

f. Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?

No Impact. Construction of the Proposed Project would not require any temporary closures of public roadways, including bikeways, bus lanes, bus stops, and sidewalks. Once operational, while the Proposed Project would result in daily trips from worker commutes and truck trips distributing cement and cementitious materials to the greater San Diego region, these trips would not conflict with any adopted policies, plans, or programs supporting alternative transportation. No impacts would occur, and no further evaluation within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

XVII. Tribal Cultural Resources

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	☐	☒	☐	☐
b. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

a. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or

Less Than Significant Impact with Mitigation Incorporated. Pursuant to Assembly Bill 52, tribes can request to be notified of projects in particular geographies. However, at present, no Native American tribes have requested consultation for environmental review projects under CEQA within the District's jurisdiction. Tribal Cultural Resources (TCRs) are a defined class of resources under Section 1 of Assembly Bill 52. TCRs include sites, features, places, cultural landscapes, and sacred places or objects that have cultural value or significance to a Tribe. A search of the Native American Heritage Commission's (NAHC) Sacred Lands File conducted in June 2014 for the TAMT Final PEIR revealed that there are no known TCRs that are listed in, or are known to be eligible for listing in the CRHR or local register of historical resources within the TAMT or the half-mile surrounding area. The NAHC also provided a list of 19 Native American individuals and organizations that may have knowledge of cultural resources within the TAMT study area. On May 14, 2015, outreach letters were sent to all 19 individuals and organizations identified by the NAHC. On May 26, 2015, a letter was received from the Viejas Band of Kumeyaay Indians stating that the TAMT study area has cultural significance or ties to Viejas. The letter requested the presence of a Kumeyaay Cultural Monitor on site for all ground-disturbing activities. The TAMT Final PEIR incorporated the request of a Native American Cultural Monitor in MM-CUL-1 (Archaeological Monitoring in Areas of Sensitivity).

Although there is a low probability of encountering TCRs within the Project site, the Proposed Project would still be required to adhere to MM-CUL-1 (Archaeological Monitoring in Areas of Sensitivity) as noted in Initial Study Section V (a-d) which requires monitoring of ground-disturbing activities within identified sensitive areas by a qualified archaeologist and a Native American monitor. With implementation of MM-CUL-1, a less than significant impact would occur. No further analysis within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

b. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

Less Than Significant Impact with Mitigation Incorporated. As noted in Initial Study Section XVII (a), no known TCRs were identified during Native American outreach conducted for the TAMT Final PEIR, or that the District, acting as lead agency, determined to be significant pursuant to Public Resource Code Section 5024.1. Although there is a low probability of encountering TCRs within the Project site, the Proposed Project would still be required to adhere to MM-CUL-1 (Archaeological Monitoring in Areas of Sensitivity) as noted in Initial Study Section V (a-d) which requires monitoring of ground-disturbing activities within identified sensitive areas by a qualified archaeologist and a Native American monitor. With implementation of MM-CUL-1, a less than significant impact would occur. No further analysis within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

XVIII. Utilities and Service Systems

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	☐	☐	☒	☐
b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☒	☐
c. Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☒	☐
d. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	☐	☐	☒	☐
e. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
f. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	☐	☐	☒	☐
g. Comply with federal, state, and local statutes and regulations related to solid waste?	☐	☐	☒	☐

Significance criteria established by CEQA Guidelines, Appendix G.

Would the project:

a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?

Less Than Significant Impact. As discussed in Initial Study Section XIII (a), the Proposed Project would not increase population; the jobs generated during construction and operation of the Proposed Project would be drawn from the local workforce that is currently served by existing wastewater treatment plant capacities. Wastewater requiring treatment would be limited to on-site construction and operational personnel and activities. These activities, primarily limited to personal wastewater and water used for cleaning, would not generate a significant amount of new wastewater requiring treatment. Such minimal wastewater generated would not exceed the requirements of any wastewater treatment facilities. Furthermore, wastewater generated would not have special treatment requirements. Less than significant impacts to wastewater treatment requirements would occur, and no further analysis within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

Less Than Significant Impact. As discussed in Initial Study Section XVIII (a), the Project would generate minimal wastewater from construction and operation. Therefore, the Proposed Project would not substantially increase the amount of wastewater requiring treatment, and would not require the need for new or improved wastewater treatment facilities. Less than significant impacts to wastewater providers would occur, and no further evaluation within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

c. Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

Less Than Significant Impact. As discussed in Initial Study Sections XIV (a),(c),(d), and (e), the Proposed Project would not result in a change to existing storm water flows, drainage patterns, or result in other storm water discharges during construction and operation that require new or upgraded stormwater drainage facilities. Project construction and operations at the TAMT would adhere to applicable SWPPPs and Urban Stormwater Management Programs, as required. The Proposed Project would not increase the TAMT's existing impervious surface area, and would be designed to utilize existing stormwater drainage facilities, which provide sufficient capacity for the Proposed Project site. As such, no impacts or less than significant impacts to drainage patterns and surface runoff would occur, and no further discussion within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

d. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?

Less Than Significant Impact. The Proposed Project would require minimal water for dust control during construction, as well as minimal amounts of water during other construction and operational activities (primarily for personal use and cleaning). All necessary potable water would be provided through existing water supplies serving Bays C-7 through C-10 of Warehouse C. Project-related water demand would be accommodated within existing infrastructure and entitlements. The Proposed Project would result in the receipt, storage and distribution of cement and cementitious materials to the greater San Diego region market area, which would require water for concrete uses. However, the Proposed Project would be responding only to existing and forecasted market demand, and would not directly or indirectly cause additional use of water in and of itself. Therefore, less than significant impacts to water supplies would occur, and no further analysis within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

e. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less Than Significant Impact. As discussed in Initial Study Sections XVIII (a) and (b), the Project would not generate a significant amount of new wastewater from construction or operational personnel and activities. Therefore, the Proposed Project would not substantially increase the amount of wastewater requiring treatment and would not require the need for new or improved wastewater treatment facilities. Less than significant impacts to wastewater providers would occur, and no further evaluation within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

f. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?

Less Than Significant Impact. Construction of the Proposed Project would generate minimal amounts of waste requiring disposal at a landfill. As noted in Initial Study Section VIII (b), based upon laboratory testing results of the site, any exported soil during construction would be suitable for disposal at a Class III municipal solid waste facility Once operational, the Proposed Project would generate minimal waste (primarily from workers and maintenance activities). District occupants usually contract with private waste haulers for solid waste disposal. Landfill demands would be minimized by recycling all possible materials during construction and operation. Because the Proposed Project would generate negligible waste during operation,

any solid waste generation is considered well within the permitted capacities of landfills providing solid waste disposal needs. Less than significant impacts to landfills would occur, and no further analysis within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

g. Comply with federal, state, and local statutes and regulations related to solid waste?

Less Than Significant Impact. As discussed in Initial Study Section XVIII (f), the Proposed Project would generate minimal waste during construction and operation, with any solid waste generation considered well within the permitted capacities of all landfills providing solid waste disposal needs. Landfill demands would also be minimized by recycling all possible materials during construction and operation. Therefore, the Project would be considered consistent with procedures and policies related to solid waste disposal. Less than significant impacts related to solid waste disposal would occur, and no further evaluation within the context of a SEIR is warranted. This conclusion is consistent with the findings of the TAMT Final PEIR.

XIX. Mandatory Findings of Significance

	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b. Does the project have impacts that are individually limited, but cumulatively considerable? (*Cumulatively considerable* means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☒	☐	☐	☐
c. Does the project have environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly?	☒	☐	☐	☐

Significance criteria established by CEQA Guidelines, Appendix G.

a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?

Less Than Significant with Mitigation Incorporated. The Project site does not support any special-status plants, but impacts to nesting birds covered by the MBTA and California Fish and Game Code and special-status bats could occur during construction, if active bird nests or large bat roosts are present. TAMT MM-BIO-1 (Avoid Nesting Season for Birds or Conduct Preconstruction Nesting Survey) and TAMT MM-BIO-2 (Avoid Bat Maternity Roosts or Conduct Preconstruction Maternity Bat Roost Survey) would require surveys for active bird nests and bat roosts, respectively, and avoidance of any nests or roosts present within Warehouse C or other project structures. No in-water work would occur in the Bay, which would avoid any impacts on fish and marine mammal species. Operational impacts would be consistent with current activities in the industrial TAMT, and would not adversely affect biological resources.

Ten historic-era resources were identified during a built environment pedestrian survey of the Project area (ICF, 2016). However, as described in Initial Study Section V (a), they were found to be ineligible for listing in the CRHR either as individual resources or as a District. None of the historic-era built environment resources within the study area appear to qualify as historical resources for the purposes of CEQA. Therefore, demolition of any of the buildings or structures within the Project site's boundaries would not result in a significant impact on a historical resource. One previously recorded prehistoric resource, CA-SDI-5931, is located within 125 to 180 feet of the Proposed Project site and may be subject to direct and indirect impacts associated with Project implementation. The exact boundaries of site CA-SDI-5931 are not known, and while the site is not directly adjacent to the Project site, it is possible that the site extends into the eastern portion of the Project area. Any ground-disturbing activities within this area could potentially encounter a significant archaeological resource, and damage to such a resource may occur absent the use of TAMT Final PEIR MM-CUL-1 (Archaeological Monitoring in Areas of Sensitivity). With implementation of

TAMT Final PEIR MM-CUL-1 impacts to sensitive historic resources would be less than significant and the Project would not eliminate important examples of the major periods of California history or prehistory.

b. Does the project have impacts that are individually limited, but cumulatively considerable? (Cumulatively considerable means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)

Potentially Significant Impact. A cumulative impact could occur for a given resource area if the Proposed Project were to result in an incrementally considerable contribution to a significant cumulative impact resulting from past, present, and reasonably foreseeable future projects. The Project could result in potentially significant impacts in the following issue areas: Air Quality; Greenhouse Gas Emissions; Noise; and, Transportation and Traffic. As such, the Project's incremental contribution to cumulative impacts for these issues could potentially be considerable. Therefore, the potential cumulative impacts for these issue areas will be evaluated in the SEIR.

c. Does the project have environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly?

Potentially Significant Impact. As described in the analyses presented in Initial Study Sections III (Air Quality), VII (Greenhouse Gas Emissions), XII (Noise), and XVI (Transportation and Traffic), the Proposed Project may result in potentially significant impacts that could cause substantial adverse effects on human beings, either directly or indirectly. Therefore, these issues will be evaluated in the SEIR.

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Document Preparation

Consistent with State CEQA Guidelines Section 15063 (d) (6), Table IS-1 provides a listing of the persons who prepared this Initial Study, and Table IS-2 provides a listing of those persons who participated in its review.

Table IS-1. List of Initial Study Preparers and Contributors

Company Affiliation and Name	Role and/or Technical Section
Aspen Environmental Group	
Beth Bagwell	Cultural Resources, Tribal Cultural Resources
Lisa Blewitt	Noise
Emily Chitiea	Document Production
Scott Debauche	Population/Housing, Public Services, Transportation/Traffic, Utilities/Service Systems
Diana Dyste	Cultural Resources, Tribal Cultural Resources
Tatiana Inouye	Aesthetics, Agricultural and Forestry Resources, Land Use and Planning, Recreation
Jennifer Lancaster	Deputy Project Manager, Project Description, Biological Resources
Kati Simpson	Graphics, Document Production
Sue Walker	Project Manager, Project Description, Mineral Resources, Hydrology/Water Quality
Will Walters	Air Quality, Greenhouse Gas Emissions
Linscott, Law & Greenspan, Engineers	
John Keating	Principal: Transportation/Traffic
Cristopher Mendiara	Transportation/Traffic
Ninyo & Moore	
Steve Beck	Hazards and Hazardous Materials, Geology/Soils
Adrian Olivares	Hazards and Hazardous Materials
Wood Hays	Principal: Hazards and Hazardous Materials, Geology/Soils
Christina Tretinjak	Geology/Soils

Table IS-2. List of Initial Study Reviewers

Name and Affiliation	Title
Rebecca Harrington, San Diego Unified Port District	Deputy General Counsel
Larry Hofreiter, San Diego Unified Port District	Program Manager, Planning and Green Port
Kelly Czechowski, San Diego Unified Port District	Senior Planner, Development Services Department
Mayra Medel, San Diego Unified Port District	Senior Planner, Planning and Green Port
Ashley Wright, San Diego Unified Port District	Associate Planner, Planning and Green Port
Candice Magnus, Dudek	Senior Environmental Project Manager

Index to Comment Letters Received
Notice of Preparation
Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project

Entity	Comment Letter Number
Agencies	
State Clearinghouse and Planning Unit (Governor's Office of Planning and Research)	1
City of San Diego Planning Department	2
California Department of Transportation	3
Native American Heritage Commission	4
California Department of Toxic Substances Control	5
City of San Diego Fire – Rescue Department	6
Organizations	
Environmental Health Coalition	7
San Diego Port Tenants Association	8
Working Waterfront Group	9

Comment Letter 1

State Clearinghouse and Planning Unit (Governor's Office of Planning and Research)

STATE OF CALIFORNIA
Governor's Office of Planning and Research
State Clearinghouse and Planning Unit

Edmund G. Brown Jr.
Governor

Ken Alex
Director

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PORT DISTRICT
REAL ESTATE

Notice of Preparation

September 18, 2017

To: Reviewing Agencies

Re: Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project
SCH# 2017091051

Attached for your review and comment is the Notice of Preparation (NOP) for the Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project draft Environmental Impact Report (EIR).

Responsible agencies must transmit their comments on the scope and content of the NOP, focusing on specific information related to their own statutory responsibility, within 30 days of receipt of the NOP from the Lead Agency. This is a courtesy notice provided by the State Clearinghouse with a reminder for you to comment in a timely manner. We encourage other agencies to also respond to this notice and express their concerns early in the environmental review process.

Please direct your comments to:

Kelly Czechowski
San Diego Unified Port District
Land Use Planning Department
P.O. Box 120488
San Diego, CA 92112-0488

with a copy to the State Clearinghouse in the Office of Planning and Research. Please refer to the SCH number noted above in all correspondence concerning this project.

If you have any questions about the environmental document review process, please call the State Clearinghouse at (916) 445-0613.

Sincerely,

Scott Morgan
Director, State Clearinghouse

Attachments
cc: Lead Agency

1400 TENTH STREET P.O. BOX 3044 SACRAMENTO, CALIFORNIA 95812-3044
TEL (916) 445-0613 FAX (916) 323-3018 www.opr.ca.gov

1-1

Document Details Report
State Clearinghouse Data Base

SCH# **2017091051**
Project Title Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project
Lead Agency San Diego Unified Port District

Type **NOP** Notice of Preparation

Description Note: Reference SCH# 2015031046

The proposed project involves two phases of improvements to Bays C-7 through C-10 of TAMT Warehouse C for the receipt, storage, and distribution of cement and cementitious materials. At max operation, the proposed project would be able to import and distribute up to 600,000 metric tons per year of cementitious material. The cementitious material would be pneumatically unloaded into Warehouse C from dry bulk cargo ships using mobile vacuum unloaders. At max operation there would be up to 24 vessel calls per year at Berts 10-7/10-8. No on-water construction activities would be required for implementation of the proposed project. The operational lifetime of the proposed project would be anticipated to be 15 years following District approval based on a lease or similarly binding agreement with the district.

Lead Agency Contact

Name Kelly Czechowski
Agency San Diego Unified Port District
Phone 619-686-7213 ***Fax***
email
Address Land Use Planning Department
P.O. Box 120488
City San Diego ***State*** CA ***Zip*** 92112-0488

Project Location

County San Diego
City San Diego
Region
Cross Streets 645 Switzer St (Warehouse C of Tenth Ave Marine Terminal
Lat / Long 32° 41' 51" N / 117° 9' 27" W
Parcel No. unparcelled public trust lands
Township ***Range*** ***Section*** Pueblo ***Base***

Proximity to:

Highways 75
Airports SD Intl, Naval Air Station North
Railways NCTD
Waterways SD Bay
Schools Charter Schoo of SD, e3 Civic HS, Monarch, Thomas Jefferson Law
Land Use LU: Marine terminal

Project Issues Aesthetic/Visual; Agricultural Land; Air Quality; Archaeologic-Historic; Biological Resources; Coastal Zone; Cumulative Effects; Drainage/Absorption; Flood Plain/Flooding; Forest Land/Fire Hazard; Geologic/Seismic; Growth Inducing; Landuse; Minerals; Noise; Other Issues; Population/Housing Balance; Public Services; Recreation/Parks; Schools/Universities; Septic System; Sewer Capacity; Soil Erosion/Compaction/Grading; Solid Waste; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Wetland/Riparian

Reviewing Agencies Resources Agency; Department of Boating and Waterways; California Coastal Commission; Department of Parks and Recreation; Department of Fish and Wildlife, Region 5; Native American Heritage Commission; Public Utilities Commission; State Lands Commission; Caltrans, Division of Aeronautics; California Highway Patrol; Air Resources Board; Caltrans, District 11; Department of Toxic Substances Control; Regional Water Quality Control Board, Region 9; San Diego River

Note: Blanks in data fields result from insufficient information provided by lead agency.

Document Details Report
State Clearinghouse Data Base

Conservancy

Date Received 09/18/2017 ***Start of Review*** 09/18/2017 ***End of Review*** 10/17/2017

Note: Blanks in data fields result from insufficient information provided by lead agency.

Print Form

Appendix C

Notice of Completion & Environmental Document Transmittal

2017091054

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH #

Project Title: Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project

Lead Agency: San Diego Unified Port District (SDUPD) Contact Person: Kelly Czechowski

Mailing Address: P.O. Box 120488 Phone: 619-686-7213

City: San Diego Zip: 92112-0488 County: San Diego

Project Location: County: San Diego City/Nearest Community: San Diego

Cross Streets: 645 Switzer Street (Warehouse C of the Tenth Avenue Marine Terminal) Zip Code: 91201

Longitude/Latitude (degrees, minutes and seconds): 32 ° 41 ' 51 " N / 117 ° 9 ' 27 " W Total Acres: 2

Assessor's Parcel No.: Unparcelled Public Trust Lands Section: Pueblo Lands of San Diego Twp.: N/A Range: N/A Base: N/A

Within 2 Miles: State Hwy #: 75 Waterways: San Diego Bay

Airports: San Diego International Airport, Naval Air Station North Island Railways: NCTD Schools: Charter School of San Diego, e3 Civic High, Monarch School, Thomas Jefferson Law

Document Type:

CEQA: ☒ NOP ☐ Draft EIR ☐ NEPA: ☐ NOI Other: ☐ Joint Document
☐ Early Cons ☐ Supplement/Subsequent EIR ☐ EA ☐ Final Document
☐ Neg Dec (Prior SCH No.) ☐ Draft EIS ☐ Other:
☐ Mit Neg Dec Other: ☐ FONSI

Governor's Office of Planning & Research
SEP 18 2017
STATE CLEARINGHOUSE

Local Action Type:

☐ General Plan Update	☐ Specific Plan	☐ Rezone	☐ Annexation
☐ General Plan Amendment	☐ Master Plan	☐ Prezone	☐ Redevelopment
☐ General Plan Element	☐ Planned Unit Development	☒ Use Permit	☒ Coastal Permit
☐ Community Plan	☐ Site Plan	☐ Land Division (Subdivision, etc.)	☐ Other:

Development Type:

☐ Residential: Units	Acres		
☐ Office: Sq.ft.	Acres	Employees	☐ Transportation: Type
☐ Commercial: Sq.ft.	Acres	Employees	☐ Mining: Mineral
☒ Industrial: Sq.ft. 192,000	Acres 2	Employees 24	☐ Power: Type MW
☐ Educational:			☐ Waste Treatment: Type MGD
☐ Recreational:			☐ Hazardous Waste: Type
☐ Water Facilities: Type	MGD		☐ Other:

Project Issues Discussed in Document:

☒ Aesthetic/Visual	☐ Fiscal	☒ Recreation/Parks	☒ Vegetation
☒ Agricultural Land	☒ Flood Plain/Flooding	☒ Schools/Universities	☒ Water Quality
☒ Air Quality	☒ Forest Land/Fire Hazard	☒ Septic Systems	☒ Water Supply/Groundwater
☒ Archeological/Historical	☒ Geologic/Seismic	☒ Sewer Capacity	☒ Wetland/Riparian
☒ Biological Resources	☒ Minerals	☒ Soil Erosion/Compaction/Grading	☒ Growth Inducement
☒ Coastal Zone	☒ Noise	☒ Solid Waste	☒ Land Use
☒ Drainage/Absorption	☒ Population/Housing Balance	☒ Toxic/Hazardous	☒ Cumulative Effects
☐ Economic/Jobs	☒ Public Services/Facilities	☒ Traffic/Circulation	☒ Other: Greenhouse Gas

Present Land Use/Zoning/General Plan Designation:

Current land use designation in the Port Master Plan is Marine Terminal

Project Description: *(please use a separate page if necessary)*

The proposed project involves two phases of improvements to Bays C-7 through C-10 of TAMT Warehouse C for the receipt, storage, and distribution of cement and cementitious materials. At maximum operation, the proposed project would be able to import and distribute up to 600,000 metric tons per year of cementitious material. The cementitious material would be pneumatically unloaded into Warehouse C from dry bulk cargo ships using mobile vacuum unloaders. At maximum operation there would be up to 24 vessel calls per year at Berths 10-7/10-8. No in-water construction activities would be required for implementation of the proposed project. The operational lifetime of the proposed project would be anticipated to be 15 years following District approval based on a lease or similarly binding agreement with the District.

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

Revised 2010

NOP Distribution List

County: San Diego CK **SCH#** 2017091051

Resources Agency

- ■ **Resources Agency**
  Nadell Gayou
  - ■ **Dept. of Boating & Waterways**
    Denise Peterson
  - ■ **California Coastal Commission**
    Allyson Hitt
  - ☐ **Colorado River Board**
    Lisa Johansen
  - ☐ **Dept. of Conservation**
    Crina Chan
  - ☐ **Cal Fire**
    Dan Foster
  - ☐ **Central Valley Flood Protection Board**
    James Herota
  - ☐ **Office of Historic Preservation**
    Ron Parsons
- ■ **Dept of Parks & Recreation**
  Environmental Stewardship Section
  - ☐ **S.F. Bay Conservation & Dev't. Comm.**
    Steve Goldbeck
  - ☐ **Dept. of Water Resources**
    Resources Agency
    Nadell Gayou

Fish and Game

- ☐ **Depart. of Fish & Wildlife**
  Scott Flint
  Environmental Services Division
- ☐ **Fish & Wildlife Region 1**
  Curt Babcock
- ☐ **Fish & Wildlife Region 1E**
  Laurie Harnsberger
- ☐ **Fish & Wildlife Region 2**
  Jeff Drongesen
- ☐ **Fish & Wildlife Region 3**
  Craig Weightman
- ☐ **Fish & Wildlife Region 4**
  Julie Vance
- ■ **Fish & Wildlife Region 5**
  Leslie Newton-Reed
  Habitat Conservation Program
- ☐ **Fish & Wildlife Region 6**
  Tiffany Ellis
  Habitat Conservation Program
- ☐ **Fish & Wildlife Region 6 I/M**
  Heidi Calvert
  Inyo/Mono, Habitat Conservation Program
- ☐ **Dept. of Fish & Wildlife M**
  William Paznokas
  Marine Region

Other Departments

- ☐ **California Department of Education**
  Lesley Taylor
- ☐ **OES (Office of Emergency Services)**
  Monique Wilber
- ☐ **Food & Agriculture**
  Sandra Schubert
  Dept. of Food and Agriculture
- ☐ **Dept. of General Services**
  Cathy Buck
  Environmental Services Section
- ☐ **Housing & Comm. Dev.**
  CEQA Coordinator
  Housing Policy Division

Independent Commissions,Boards

- ☐ **Delta Protection Commission**
  Erik Vink
- ☐ **Delta Stewardship Council**
  Kevan Samsam
- ☐ **California Energy Commission**
  Eric Knight
- ■ **Native American Heritage Comm.**
  Debbie Treadway
- ■ **Public Utilities Commission**
  Supervisor
- ☐ **Santa Monica Bay Restoration**
  Guangyu Wang
- ■ **State Lands Commission**
  Jennifer Deleong
- ☐ **Tahoe Regional Planning Agency (TRPA)**
  Cherry Jacques

Cal State Transportation Agency CalSTA

- ■ **Caltrans - Division of Aeronautics**
  Philip Crimmins
- ☐ **Caltrans – Planning HQ LD-IGR**
  Christian Bushong
- ■ **California Highway Patrol**
  Suzann Ikeuchi
  Office of Special Projects

Dept. of Transportation

- ☐ **Caltrans, District 1**
  Rex Jackman
- ☐ **Caltrans, District 2**
  Marcelino Gonzalez
- ☐ **Caltrans, District 3**
  Eric Federicks – South
  Susan Zanchi - North
- ☐ **Caltrans, District 4**
  Patricia Maurice
- ☐ **Caltrans, District 5**
  Larry Newland
- ☐ **Caltrans, District 6**
  Michael Navarro
- ☐ **Caltrans, District 7**
  Dianna Watson
- ☐ **Caltrans, District 8**
  Mark Roberts
- ☐ **Caltrans, District 9**
  Gayle Rosander
- ☐ **Caltrans, District 10**
  Tom Dumas
- ■ **Caltrans, District 11**
  Jacob Armstrong
- ☐ **Caltrans, District 12**
  Maureen El Harake

Cal EPA

Air Resources Board

- ■ **Airport & Freight**
  Jack Wursten
  - ☐ **Transportation Projects**
    Nesamani Kalandiyur
  - ☐ **Industrial/Energy Projects**
    Mike Tollstrup
- ☐ **California Department of Resources, Recycling & Recovery**
  Sue O'Leary
- ☐ **State Water Resources Control Board**
  Regional Programs Unit
  Division of Financial Assistance
- ☐ **State Water Resources Control Board**
  Cindy Forbes – Asst Deputy
  Division of Drinking Water
- ☐ **State Water Resources Control Board**
  Div. Drinking Water #_____
- ☐ **State Water Resources Control Board**
  Student Intern, 401 Water Quality Certification Unit
  Division of Water Quality
- ☐ **State Water Resouces Control Board**
  Phil Crader
  Division of Water Rights
- ■ **Dept. of Toxic Substances Control**
  CEQA Tracking Center
- ☐ **Department of Pesticide Regulation**
  CEQA Coordinator

Regional Water Quality Control Board (RWQCB)

- ☐ **RWQCB 1**
  Cathleen Hudson
  North Coast Region (1)
- ☐ **RWQCB 2**
  Environmental Document Coordinator
  San Francisco Bay Region (2)
- ☐ **RWQCB 3**
  Central Coast Region (3)
- ☐ **RWQCB 4**
  Teresa Rodgers
  Los Angeles Region (4)
- ☐ **RWQCB 5S**
  Central Valley Region (5)
  - ☐ **RWQCB 5F**
    Central Valley Region (5)
    Fresno Branch Office
  - ☐ **RWQCB 5R**
    Central Valley Region (5)
    Redding Branch Office
- ☐ **RWQCB 6**
  Lahontan Region (6)
  - ☐ **RWQCB 6V**
    Lahontan Region (6)
    Victorville Branch Office
- ☐ **RWQCB 7**
  Colorado River Basin Region (7)
- ☐ **RWQCB 8**
  Santa Ana Region (8)
- ■ **RWQCB 9**
  San Diego Region (9)

☐ **Other** _____

_____

_____

■ San Diego Conservancy

Last Updated 8/3/17

Comment Letter 2
City of San Diego Planning Department

The City of SAN DIEGO
Planning Department

October 18, 2017

Ms. Kelly Czechowski, Senior Planner
San Diego Unified Port District
Development Services Department
3165 Pacific Highway
San Diego, CA 92101-1128

SUBJECT: Notice of Preparation of a Draft Subsequent Environmental Impact Report for the Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project

Dear Ms. Czechowski:

The City of San Diego ("City") Planning Department has received the Notice of Preparation (NOP) of a Draft Subsequent Environmental Impact Report for the Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project prepared by the San Diego Unified Port District (Port) and distributed it to applicable City departments for review. The City, as a Responsible Agency under CEQA, has reviewed the NOP and appreciates this opportunity to provide comments to the Port.

In response to this request for public comments, the City has identified potential environmental issues that may result in a significant impact to the environment. Continued coordination between the City, the Port, and other local, regional, state, and federal agencies will be essential. Following are comments on the NOP for your consideration.

Planning Department – Rebecca Malone, Senior Planner – RMalone@sandiego.gov, 619-446-5371

The City of San Diego adopted a Climate Action Plan (CAP) on December 15, 2015, with the goal of creating a cleaner San Diego for future generations. The CAP calls for eliminating half of all greenhouse gas emissions in the City and aims for all electricity used in the City to be from renewable sources by 2035. The City's CAP is intended to help achieve the greenhouse gas reduction targets set forth by the state of California. The City encourages the Port to include a consistency analysis of this project with the City's CAP and suggests the use of the CAP Consistency Checklist which can be found at the following website: https://www.sandiego.gov/planning/programs/ceqa.

2-1

1010 Second Ave, Suite 1200 East Tower, MS 413
San Diego, CA 92101

T (619) 235-5200
sandiego.gov/planning/

Transportation & Storm Water Department – Mark G. Stephens, Associate Planner – MGStephens@sandiego.gov, 858-541-4361

Question IX. Hydrology and Water Quality pages 30 to 34.

This section describes potential impacts resulting from construction, reduced storm flow capacity, accidental spills or releases, and propeller wash, among other factors, and concludes impacts would be less than significant. City comments on the prior Tenth Avenue Marine Terminal Draft Program EIR raised questions regarding whether City drainage facilities could be affected by implementation of that project, and the response provided was that the Port would consult with and obtain concurrence of the City if any potential effects were identified through review of subsequent projects. Therefore, the City requests that the Draft Subsequent EIR document whether the City drainage system could be affected by the project and identify project design features or measures acceptable to the City to reduce potential impacts to below a level of significances. **2-2**

Development Services Department, Transportation Development – Kamran Khaligh, Associate Engineer – KhalighK@sandiego.gov, 619-446-5357

1. The Transportation Impact Analysis in the DEIR should follow the guidelines of the City of San Diego Traffic Impact Study Manual, July 1998, including various scenarios to be included, for all transportation facilities within the City of San Diego evaluated. **2-3**

2. The Transportation Impact Analysis in the DEIR should apply the City of San Diego Significance Determination Thresholds (July 2016) which can be found at the following website: https://www.sandiego.gov/sites/default/files/july_2016_ceqa_thresholds_final_0.pdf) for all transportation facilities within the City of San Diego evaluated. **2-4**

3. The interim and ultimate project with all its phases (not only Phase 1) to meet demand through year 2035 and 2050 should be defined in greater detail, and analyzed in the Transportation Impact Analysis in the DEIR to identify any project near-term and horizon year significant impacts. **2-5**

4. The DEIR should include alternatives that avoid or lessen expected transportation/circulation/parking impacts, including at least one alternative that would avoid unmitigated significant impacts to the City of San Diego's transportation facilities. **2-6**

Thank you for the opportunity to provide comments on the NOP. Please contact me directly if there are any questions regarding the contents of this letter or if the Port would like to meet with City staff to discuss our comments.

Sincerely,

Alyssa Muto, Deputy Director
Planning Department

cc: Rebecca Malone, Senior Planner, Planning Department
Mark G. Stephens, Associate Planner, Transportation & Storm Water Department
Kamran Khaligh, Associate Engineer, Development Services, Transportation Development

Comment Letter 3
California Department of Transportation

STATE OF CALIFORNIA—CALIFORNIA STATE TRANSPORTATION AGENCY EDMUND G. BROWN Jr., Governor

DEPARTMENT OF TRANSPORTATION
DISTRICT 11
4050 TAYLOR STREET, MS-240
SAN DIEGO, CA 92110
PHONE (619) 688-3193
FAX (619) 688-4299
TTY 711
www.dot.ca.gov

Making Conservation a California Way of Life.

October 16, 2017

11-SD-5, 75
PM VAR
Mitsubishi Cement Corporation at Warehouse C
NOP/SCH#2017091051

Ms. Kelly Czechowski
San Diego Unified Port District
Land Use Planning Division
P.O. Box 120488
San Diego, CA 92112-0488

Dear Ms. Czechowski:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the Notice of Preparation of a Draft Environmental Report for the Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project located near Interstate 5 (I-5) and State Route 75 (SR-75). The mission of Caltrans is to provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability. The Local Development-Intergovernmental Review (LD-IGR) Program reviews land use projects and plans to ensure consistency with our mission and state planning priorities.

Caltrans has the following comments:

Traffic Impact Study

A traffic impact study (TIS) is necessary to determine this proposed project's near-term and long-term impacts to the State facilities – existing and proposed – and to propose appropriate mitigation measures. **3-1**

- The TIS must include analysis at the following locations: **3-2**
  - I-5/National Avenue NB and SB on/off-ramps
  - I-5/19th Street SB off-ramp
  - I-5/29th Street SB on-ramp
  - I-5/17th Street SB on/off-ramps
  - I-5/Logan Avenue NB and SB on/off-ramps
  - SR-75/National Avenue off-ramp
  - SR-75/Cesar Chavez SB on-ramp

- The geographic area examined in the TIS should also include, at a minimum, all regionally significant arterial system segments and intersections, including State **3-3**

highway facilities where the project will add over 100 peak hour trips. State highway facilities that are experiencing noticeable delays should be analyzed in the scope of the traffic study for projects that add 50 to 100 peak hour trips. **3-3, cont.**

- A focused analysis may be required for project trips assigned to a State highway facility that is experiencing significant delay, such as where traffic queues exceed ramp storage capacity. A focused analysis may also be necessary if there is an increased risk of a potential traffic accident. **3-4**
- In addition, the TIS could also consider implementing vehicles miles traveled (VMT) analysis into their modeling projections. **3-5**
- Any increase in goods movement operations, including Harbor Drive and its impacts to State highway facilities, such as I-5 and SR-15, should be addressed in the TIS. **3-6**
- The data used in the TIS should not be more than 2 years old. **3-7**
- Please provide Synchro Version 8 files. **3-8**
- Early coordination with Caltrans is recommended. **3-9**

The California Department of Transportation (Caltrans) has discretionary authority with respect to highways under its jurisdiction and may, upon application and if good cause appears, issue a special permit to operate or move a vehicle or combination of vehicles or special mobile equipment of a size or weight of vehicle or load exceeding the maximum limitations specified in the California Vehicle Code. The Caltrans Transportation Permits Issuance Branch is responsible for the issuance of these special transportation permits for oversize/overweight vehicles on the State Highway System. Additional information is provided online at: http://www.dot.ca.gov/trafficops/permits/index.html **3-10**

A Traffic Control Plan is to be submitted to Caltrans District 11 at least 30 days prior to the start of any construction. Traffic shall not be unreasonably delayed. The plan shall also outline suggested detours to use during the closures, including routes and signage. **3-11**

Hydrology and Drainage Studies

Hydrology and Hydraulics studies, drainage and grading plans must be submitted to Caltrans, if available. **3-12**

Complete Streets and Mobility Network

Caltrans views all transportation improvements as opportunities to improve safety, access and mobility for all travelers in California and recognizes bicycle, pedestrian and transit modes as integral elements of the transportation system. Caltrans supports improved transit accommodation through the provision of Park and Ride facilities, improved bicycle and pedestrian access and safety improvements, signal prioritization for transit, bus on shoulders, ramp improvements, or other enhancements that promotes a complete and integrated transportation system. Early coordination with Caltrans, in locations that may affect both Caltrans, the City of San Diego and the Port of San Diego, is encouraged. **3-13**

To reduce greenhouse gas emissions and achieve California's Climate Change target, Caltrans is implementing Complete Streets and Climate Change policies into State Highway Operations and Protection Program (SHOPP) projects to meet multi-modal mobility needs. Caltrans looks forward to working with the Port of San Diego to evaluate potential Complete Streets projects. **3-14**

Land Use and Smart Growth

Caltrans recognizes there is a strong link between transportation and land use. Development can have a significant impact on traffic and congestion on State transportation facilities. In particular, the pattern of land use can affect both local vehicle miles traveled and the number of trips. Caltrans supports collaboration with local agencies to work towards a safe, functional, interconnected, multi-modal transportation system integrated through applicable "smart growth" type land use planning and policies. **3-15**

The Port of San Diego should continue to coordinate with Caltrans to implement necessary improvements at intersections and interchanges where the agencies have joint jurisdiction, as well as coordinate with Caltrans as development proceeds and funds become available to ensure that the capacity of on-/off-ramps is adequate.

Mitigation

Caltrans endeavors that any direct and cumulative impacts to the State Highway System be eliminated or reduced to a level of insignificance pursuant to the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) standards. **3-16**

Right-of Way

Any work performed within Caltrans right-of-way (R/W) will require discretionary review and approval by Caltrans and an encroachment permit will be required for any work within the Caltrans R/W prior to construction. As part of the encroachment permit process, the applicant must provide an approved final environmental document including the California Environmental Quality Act (CEQA) determination addressing any environmental impacts within the Caltrans's R/W, and any corresponding technical studies. **3-17**

If you have any questions, please contact Kimberly Dodson, of the Caltrans Development Review Branch, at (619) 688-2510 or by e-mail sent to kimberly.dodson@dot.ca.gov.

Sincerely,

KERI ROBINSON, Acting Branch Chief
Local Development and Intergovernmental Review Branch

"Provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability"

Comment Letter 4

Native American Heritage Commission

STATE OF CALIFORNIA — Edmund G. Brown Jr., Governor

NATIVE AMERICAN HERITAGE COMMISSION
Environmental and Cultural Department
1550 Harbor Blvd., Suite 100
West Sacramento, CA 95691
Phone (916) 373-3710

September 25, 2017

RECEIVED
SEP 29 2017
SAN DIEGO UNIFIED PORT DISTRICT REAL ESTATE

Kelly Czechowski
San Diego Unified Port District
Land Use Planning Department
P. O. Box 120488
San Diego, CA 92112-0488

Sent via e-mail: kczechowski@portofsandiego.org

RE: SCH# 2017091051; Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project, City of San Diego; San Diego County, California

Dear Ms. Czechowski:

The Native American Heritage Commission has received the Notice of Preparation (NOP) for Draft Environmental Impact Report for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code § 21000 et seq.), specifically Public Resources Code section 21084.1, states that a project that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, § 15064.5 (b) (CEQA Guidelines Section 15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an environmental impact report (EIR) shall be prepared. (Pub. Resources Code § 21080 (d); Cal. Code Regs., tit. 14, § 15064 subd. (a)(1) (CEQA Guidelines § 15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources with the area of project effect (APE). **4-1**

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a **separate category of cultural resources**, "tribal cultural resources" (Pub. Resources Code § 21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment (Pub. Resources Code § 21084.2). Please reference California Natural Resources Agency (2016) "Final Text for tribal cultural resources update to Appendix G: Environmental Checklist Form," http://resources.ca.gov/ceqa/docs/ab52/Clean-final-AB-52-App-G-text-Submitted.pdf. Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code § 21084.3 (a)). **AB 52 applies to any project for which a notice of preparation or a notice of negative declaration or mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements**. If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. § 800 et seq.) may also apply. **4-2** **4-3**

The NAHC recommends **lead agencies consult with all California Native American tribes** that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments. **Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws**. **4-4**

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a **lead agency** shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:
   a. A brief description of the project.
   b. The lead agency contact information.
   c. Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code § 21080.3.1 (d)).
   d. A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code § 21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A **lead agency** shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code § 21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or environmental impact report. (Pub. Resources Code § 21080.3.1(b)).
   a. For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code § 65352.4 (SB 18). (Pub. Resources Code § 21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:
   a. Alternatives to the project.
   b. Recommended mitigation measures.
   c. Significant effects. (Pub. Resources Code § 21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:
   a. Type of environmental review necessary.
   b. Significance of the tribal cultural resources.
   c. Significance of the project's impacts on tribal cultural resources.
   d. If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code § 21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code sections 6254 (r) and 6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code § 21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:
   a. Whether the proposed project has a significant impact on an identified tribal cultural resource.
   b. Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code section 21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code § 21082.3 (b)).

4-5

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:
   a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or
   b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code § 21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code section 21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code section 21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code § 21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code section 21084.3 (b). (Pub. Resources Code § 21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:
    a. Avoidance and preservation of the resources in place, including, but not limited to:
       i. Planning and construction to avoid the resources and protect the cultural and natural context.
       ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.
    b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:
       i. Protecting the cultural character and integrity of the resource.
       ii. Protecting the traditional use of the resource.
       iii. Protecting the confidentiality of the resource.
    c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.
    d. Protecting the resource. (Pub. Resource Code § 21084.3 (b)).
    e. Please note that a federally recognized California Native American tribe or a nonfederally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code § 815.3 (c)).
    f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code § 5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An environmental impact report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:
    a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code sections 21080.3.1 and 21080.3.2 and concluded pursuant to Public Resources Code section 21080.3.2.
    b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.
    c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code section 21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code § 21082.3 (d)).

    This process should be documented in the Cultural Resources section of your environmental document.

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

3

4-5, cont.

SB 18

SB 18 applies to local governments and requires **local governments** to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code § 65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code § 65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code section 65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code sections 5097.9 and 5097.993 that are within the city's or county's jurisdiction. (Gov. Code § 65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

4-6

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/

4-7

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (http://ohp.parks.ca.gov/?page_id=1068) for an archaeological records search. The records search will determine:
    a. If part or all of the APE has been previously surveyed for cultural resources.
    b. If any known cultural resources have been already been recorded on or adjacent to the APE.
    c. If the probability is low, moderate, or high that cultural resources are located in the APE.
    d. If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.

4-8

b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:
   a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
   b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.
   a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, section 15064.5(f) (CEQA Guidelines section 15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.
   b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
   c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code section 7050.5, Public Resources Code section 5097.98, and Cal. Code Regs., tit. 14, section 15064.5, subdivisions (d) and (e) (CEQA Guidelines section 15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

4-8, cont.

Please contact me if you need any additional information at gayle.totton@nahc.ca.gov.

Sincerely,

Gayle Totton, M.A., PhD.
Associate Governmental Program Analyst
(916) 373-3714

cc: State Clearinghouse

5

Comment Letter 5

California Department of Toxic Substances Control

Department of Toxic Substances Control

Matthew Rodriquez
Secretary for
Environmental Protection

Barbara A. Lee, Director
5796 Corporate Avenue
Cypress, California 90630

Edmund G. Brown Jr.
Governor

October 12, 2017

Ms. Kelly Czechowski
Senior Planner,
Unified Port District
Development Services Department
P.O. Box 12048
San Diego, California 92112-0488
kczechowski@portofsandiego.org

NOTICE OF PREPARATION (NOP) FOR AN ENVIRONMENTAL IMPACT REPORT (EIR) FOR MITSUBISHI CEMENT CORPORATION AT WAREHOUSE C: BULK CEMENT WAREHOUSE AND LOADING FACILITY PROJECT (SCH# 2017091051)

Dear Ms. Czechowski:

The Department of Toxic Substances Control (DTSC) has reviewed the subject NOP. The following project description is stated in the NOP: "The Proposed Project involves phased modifications to Bays C-7 through C-10 of Warehouse C to import and distribute up to 600,000 MT/yr of cementitious material. The cementitious material would be pneumatically unloaded into Warehouse C from dry bulk cargo ships using up to two 400 MT per hour mobile vacuum unloaders at maximum operation."

Based on the review of the submitted document DTSC has the following comments:

1. The NOP states, "Implementation of the Proposed Project could result in the potential to encounter soil contamination during construction that could result in a significant hazard to the public or the environment if not managed properly. Implementation of MM-HAZ-1 and MM-HAZ-2 may reduce impacts to less than significant; however, further analysis and discussion is warranted within the context of a SEIR to evaluate previous environmental assessments conducted at Warehouse C, as well as potential impacts associated with several of the Proposed Project's options: truck loading inside or outside Warehouse C (Options A and B); and, under- or above-ground ship unloading pipelines (Options 1 and 2)." Proper investigation, sampling and remedial actions overseen by the appropriate regulatory agencies should be conducted prior to the new development or any construction.

5-1

2. If the project plans include discharging wastewater to a storm drain, you may be required to obtain an NPDES permit from the overseeing Regional Water Quality Control Board (RWQCB). **5-2**

3. DTSC recommends evaluation, proper investigation and mitigation, if necessary, on onsite areas with current or historic PCB-containing transformers. Appropriate mitigation measures should be included in the EIR. **5-3**

4. If the project development involves soil export/import, proper evaluation is required. If soil contamination is suspected or observed in the project area, then excavated soil should be sampled prior to export/disposal. If the soil is contaminated, it should be disposed of properly in accordance with all applicable and relevant laws and regulations. In addition, if imported soil was used as backfill onsite and/or backfill soil will be imported, DTSC recommends proper evaluation/sampling is necessary to ensure the backfill material is free of contamination. **5-4**

If you have any questions regarding this letter, please contact me at (714) 484-5380 or email at Johnson.Abraham@dtsc.ca.gov.

Sincerely,

Johnson P. Abraham
Project Manager
Brownfields Restoration and School Evaluation Branch
Brownfields and Environmental Restoration Program - Cypress

kl/sh/ja

cc: See next page.

cc: Governor's Office of Planning and Research (via e-mail)
State Clearinghouse
P.O. Box 3044
Sacramento, California 95812-3044
State.clearinghouse@opr.ca.gov

Mr. Dave Kereazis (via e-mail)
Office of Planning & Environmental Analysis
Department of Toxic Substances Control
Dave.Kereazis@dtsc.ca.gov

Mr. Shahir Haddad, Chief (via e-mail)
Schools Evaluation and Brownfields Cleanup
Brownfields and Environmental Restoration Program - Cypress
Shahir.Haddad@dtsc.ca.gov

CEQA# 2017091051

Comment Letter 6

City of San Diego Fire-Rescue Department

Kelly Czechowski

From: Trame, Larry [mailto:LTrame@sandiego.gov]
Sent: Friday, October 06, 2017 1:02 PM
To: Kelly Czechowski
Subject: Cement plant system EIR

Hello,

When the final system is decided upon, fire will need to evaluate the install for hazardous materials specifics in the fire code. Since this is a supplemental EIR, are there a lot more buildings/structures going in via the original EIR? **6-1**

Lawrence Trame

Assistant Fire Marshal
City of San Diego
Fire-Rescue Department

T (619) 533-4406
www.sandiego.gov

Fire Prevention Mission: To protect lives and the environment of San Diego by preventing fires and other hazardous conditions through inspections and enforcement of fire and life safety codes.

1

Kelly Czechowski

From: Trame, Larry <LTrame@sandiego.gov>
Sent: Friday, October 06, 2017 1:07 PM
To: Kelly Czechowski
Subject: Silica/Dust issues for Cement plant EIR
Attachments: Occupational Exposures to Respirable Crystalline Silica - Effective 9-23-17.docx

I thought you might find this new info as useful as well for the cement plant EIR.

Lawrence Trame

Assistant Fire Marshal
City of San Diego
Fire-Rescue Department

T (619) 533-4406
www.sandiego.gov

Fire Prevention Mission: To protect lives and the environment of San Diego by preventing fires and other hazardous conditions through inspections and enforcement of fire and life safety codes.

Safety & Health Fact Sheet

Department of Industrial Relations
Division of Occupational Safety and Health

Occupational Exposures to Respirable Crystalline Silica

A new construction standard[1] and a similar standard for general and maritime industries[2] have been adopted to protect workers from health effects of silica: exposure to respirable crystalline silica increases the risk of silicosis, lung cancer, other respiratory illnesses, and renal and autoimmune effects. Respirable silica particles do not leave the lungs once deposited.

More than 2 million US workers exposed to deadly silica dust will gain protection from the new rules and lower Permissible Exposure Limit. These changes are expected to result in 642 fewer silica-related deaths and 918 fewer non-fatal silica-related illnesses each year.

Requirements of the new silica regulations	Construction	General, Maritime
Permissible Exposure Limit (PEL) lowered to ½ the former value[3]	50 µg/m³	50 µg/m³
Action Level is ½ of the PEL	25 µg/m³	25 µg/m³
Assess Exposures above A/L or PEL often unless use Table 1 or "objective data"	YES	YES
Written Exposure Control Plan	YES	YES
Regulated Areas or restrict access for areas above PEL	Restrict Access	Regulated Areas
Competent person	YES	NO
Specified task based exposure control methods (Table 1)—18 tasks	YES	NO, with exceptions
Utilize engineering/work practice controls, respiratory protection to control exposures	YES	YES
Communication of hazards and Training	YES	YES
Medical Surveillance for all employees who under the standard	Must wear respirator 30 days/year	Exposed ≥ A/L 30 days/year

Scope: Covers construction, maritime and all general industries except that agricultural industries are exempt from the specific requirements of the general industry standard. The 50 µg/m³ silica PEL does apply to agriculture.

Effective Dates

PEL of 50 µg/m³ : Became effective for all industries October 17, 2016 after the Cal/OSHA Standards Board lowered the previous silica PEL by amending Table AC-1 of 8CCR Section 5155.

Construction industry silica standard: All subsections except air sample lab analysis criteria were to take effect on June 23, 2017. New effectiv date September 23, 2017. Laboratories utilized for air sample analysis must meet criteria by June 23, 2018—but many labs already comply.

General industry/Maritime silica standard:

Most sections effective June 23, 2018 except for hydraulic fractioning which has delayed dates for medical surveillance for employees exposed above the A/L (6/23/2020), and for engineering controls (6/23/2021). Obligation to provide medical surveillance for employees above the PEL begin 6/23/2018.

[1] http://www.dir.ca.gov/Title8/1532_3.html
[2] http://www.dir.ca.gov/Title8/5204.html
[3] The symbol µg means "microgram" or 1/1000 of a gram. PEL is

A Few Key Definitions:

"Action Level" means a concentration of airborne respirable crystalline silica of 25 µg/m^3 calculated as an 8-hour TWA. The silica regulations do not apply where objective data demonstrates employee exposure will remain below the Action Level.

"Objective Data" means information, such as air monitoring data from industry-wide surveys or calculations based on substance composition, that demonstrate employee respirable silica exposure associated with a particular material, process, task, or activity. The data must reflect workplace conditions closely resembling the processes, materials, control methods, work practices, and environmental conditions in the employer's current operations.

"Regulated Area" means an area of silica exposure designated by the employer with access limited to those with work duties requiring presence in the area.

"Written Exposure Control Plan" must describe the tasks involving silica, and must describe the engineering controls, work practices, and respiratory protection used to limit silica exposure for each task.

Advantages of Construction Silica Standard Table 1

Table 1 makes complying with the silica standard much easier for those employers in construction or general industry that can use the table for any of the 18 identified tasks. Employers who fully and properly implement the controls listed on Table 1 are not separately required to comply with the PEL, and are not subject to provisions for exposure assessment and methods of compliance. Requirements in the standards for frequent task exposure assessments are burdens that can be relieved by complying with the requirements of Table 1. In the example below, the necessary engineering controls and respiratory protection are specified. Specification eases the task of formulating the Written Exposure Control Plan.

Table 1: Specified Exposure Control Methods When Working With Materials Containing Crystalline Silica

Equipment/Task	Engineering and Work Practice Control Methods	Required Respiratory Protection and Minimum Assigned Protection Factor (APF)	
		≤ 4 hours/shift	> 4 hours/shift
Stationary masonry Saws	water suppression with continuous feed to the blade	None	None
Handheld power saws (any blade diameter)	water suppression @ blade		
	outdoors	None	APF 10
	indoors/enclosed area	APF 10	APF 10
Handheld power saws for cutting fiber-cement board (blade diameter ≤8")	outdoors	None	None
	Dust collection system (99% or greater efficiency)		

Advantages of Objective Data

Once compiled, objective data is utilized in the same way as Table 1 to accurately characterize employee

Selected General Industry/Maritime Occupations with Silica Exposure

- Asphalt Roofing Materials
- Concrete Products
- Cut Stone
- Dental Laboratories
- Foundries
- Jewelry
- Porcelain Enameling
- Pottery
- Railroads
- Shipyards
- Structural Clay Products
- Oil and Gas Support Activities
- Glass Manufacturing
- Abrasive Blasting
- Refractory Furnace Install/Repair

Dust Reduction Systems in Cal/OSHA's 2008 Concrete and Masonry Standard Do Not Comply with the New Regulations.

8CCR 1530.1 permitted employers to use mechanical exhaust systems as equivalent to water application to reduce silica exposures during the use of powered equipment on concrete and masonry materials. This equivalency was based upon the old PEL, which has now been cut in half. Federal OSHA concluded that for many tasks there was insufficient data to conclude such exhaust systems can protect workers at the new PEL and Action Level; for many tasks water application does protect. Employers may for some tasks be able to use the mechanical exhaust systems utilized up to now, but objective data will have to be compiled through air monitoring to demonstrate that these systems do provide the protection required by the new standards.

For assistance regarding workplace violence prevention in health care, employers may contact the Cal/OSHA Consultation Services at:

For assistance regarding workplace violence prevention in health care, employers may contact the Cal/OSHA Consultation Services at:

1-800-963-9424

InfoCons@dir.ca.gov

Comment Letter 7
Environmental Health Coalition

ENVIRONMENTAL HEALTH COALITION
2727 HOOVER AVE., SUITE 202 · NATIONAL CITY, CA 91950 · (619) 474-0220 · WWW.ENVIRONMENTALHEALTH.ORG

October 6, 2017

San Diego Unified Port District
Development Services Department
Attn: Kelly Czechowski, Senior Planner
PO Box 120488
San Diego, CA 92112-0488
Via email to: kczechowski@portofsandiego.org

Re: EHC Comments on Notice of Preparation of an Environmental Impact Report for the Mitsubishi Bulk Cement Warehouse and Loading Facility Project

Dear Ms. Czechowski:

Environmental Health Coalition (EHC) is a 37-year-old nonprofit organization. EHC builds grassroots campaigns to confront the unjust consequences of toxic pollution, discriminatory land use, and unsustainable energy policies. Through leader development, organizing and advocacy, EHC improves the health of children, families, neighborhoods, and the natural environment in the San Diego/Tijuana region.

EHC appreciates the opportunity to review the Notice of Preparation (NOP) for the Mitsubishi Bulk Cement Warehouse and Loading Facility Project. We concur that an EIR is required for this project and that there are potentially significant impacts in the areas of air quality, greenhouse gases, noise, transportation/traffic, and cumulative impacts. We believe that hazardous materials impacts may be significant as well, and should be addressed in environmental analysis for this project. More detailed comments and questions follow.

I. PROJECT DESCRIPTION

A. PROJECT OBJECTIVES

The Project Description provided in the NOP does not specify the project objectives. EHC recommends that the project include the following objectives on air quality, greenhouse gas (GHG) emissions, and reduction of community impacts. **7-1**

- Minimize or eliminate air pollution, traffic, and other environmental impacts on adjacent communities.
- Use cleanest available technologies for moving freight and powering equipment and vehicles.
- Comply with or exceed the greenhouse gas (GHG) reduction goals of the Port of San Diego's Climate Action Plan (10% below 2006 levels by 2020) and California's SB 32, which requires reduction of GHG levels to 40% of 1990 levels by 2030.

7-1, cont.

B. WORST CASE SCENARIO

The NOP does not indicate which scenario would produce the greatest impacts. Table NOP-2 summarizes the range of impacts in terms of hours at berth, MT of cargo received, and number of vessels for two phases and 5 scenarios. The EIR must provide analysis for the maximum volumes of cargo, vessels, hours at berth, and peak day truck trips, for each of the scenarios. In addition, the EIR must assume that Cemex impacts will continue, given the uncertainty about whether Mitsubishi's impacts will replace or add to the existing impacts from bulk cargos at TAMT.

7-2

II. ANALYSIS OF ENVIRONMENTAL IMPACTS IN EIR

A. AIR QUALITY

EHC agrees that air quality impacts are potentially significant. The analysis should address these elements in addition to the ones identified in the NOP:

Impacts of truck trips for hauling excavated soil offsite and infill soil on to the site. Trips and emissions must be quantified in the analysis.

- Analysis of accidental releases of cement or other cementitious materials and potential for respiratory hazards for workers and park users. Whereas the FEIR for the TAMT Redevelopment project -- the EIR from which this one will be tiered -- requires 95% control of dust, it did not analyze the potential for releases of dry bulk materials in upset conditions or discuss the potential or consequences of accidental releases. According to an MSDS for Portland Cement developed by Capitol Cement, "Contact with wet or dry Portland cement is dangerous and may cause severe skin irritation, chemical burns, as

7-3

well as damage to human tissue, including eyes and other organs. In addition, breathing cement dust over a period of time may in some cases result in cancer and other diseases."

- Impacts to potential residents in the Barrio Logan transition zone south of Main Street. Since the June 2014 citywide referendum overturned the Barrio Logan Community Plan Update adopted by the San Diego City Council in the fall of 2013, residential development in the transition zone is possible; analysis of impacts to residents must assume that residences may be present closer to TAMT than are current residences.

7-3, cont.

Mitigations for air quality impacts include use of a bonnet system for ships, zero emission construction equipment and trucks, and local hire to reduce emissions from employee vehicles.

7-4

B. GREENHOUSE GASES

EHC agrees that GHG impacts are potentially significant. The analysis must include emissions from soil excavation operations required for the project, including from construction equipment and truck trips to haul soil off the site and transport infill soil to the site.

7-5

Mitigations for GHG impacts include zero emission construction equipment and trucks; solar PV panels on rooftops on and off the terminal; subsidized alternative transportation for workers; and local hire to reduce emissions from employee vehicles.

7-6

C. HAZARDOUS MATERIALS

As detailed in appendices for the TAMT Redevelopment DEIR, only one previous environmental assessment investigated the presence of radioactive contaminants (Ninyo & Moore, 2002). This study found measurable radioactivity in soil stockpiles and trenches at TAMT. The study also found dioxins and furans in burn ash areas. These contaminants should be included in environmental analysis for the present project to ensure that soils unearthed and/or removed during construction do not contain these contaminants.

7-7

D. NOISE

EHC agrees that analysis of noise is warranted in the environmental analysis for this project. It will be important to include analysis of noise levels at night, given that unloading activities may occur for up to 20 hours per day.

7-8

E. LIGHT

The NOP does not identify light pollution as a potentially significant impact. However, the project will entail unloading of cargo for up to 20 hours a day, and the EIR should address the issue of lighting at night that will be required during the unloading operation and the potential impacts to nearby receptors. Mitigations for light pollution may include:

- Use of energy efficient lighting;
- Use of guidelines such as those put forward by LEED or the International Dark-Sky Association for limiting total lumens and shielding light so that light pollution is minimized.

7-9

F. TRANSPORTATION/TRAFFIC

EHC agrees that analysis of transportation and traffic impacts is warranted. Analysis of employee parking sufficiency should be included in this section of the EIR. Mitigation of parking impacts include subsidized alternative transportation for workers and local hire to minimize employee parking requirements.

7-10

G. CUMULATIVE IMPACTS

EHC agrees that analysis of cumulative impacts is warranted in this environmental investigation.

7-11

III. SUMMARY

Whereas the EIR for the Mitsubishi Bulk Cement Warehouse and Loading Facility Project will tier off of the TAMT Redevelopment FEIR, this project has potential impacts that were not identified in that document. The EIR must include analysis of these impacts in order to ensure that the adjacent residential community and its schools and parks are not adversely impacted by the project. Thank you for the opportunity to provide comments on this NOP.

7-12

Sincerely,

Joy Williams
Research Director

Comment Letter 8

San Diego Port Tenants Association

SAN DIEGO PORT TENANTS ASSOCIATION

October 10, 2017

Kelly Czechowski
San Diego Unified Port District Land Use Planning Department
P. O. Box 120488
San Diego, CA 92112-0488

Sent via e-mail: kczechowski@portofsandiego.org

RE: **SCH# 2017091051; Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project, City of San Diego; San Diego County, California**

Dear Ms. Czechowski:

Formed in 1989, the San Diego Port Tenants Association is a coalition of businesses and industries on San Diego Bay dedicated to enhancing trade, commerce, and tourism on San Diego Bay's tidelands, while protecting the area's environment. SDPTA membership includes representatives of manufacturing, ship building and repair, shipping and trade, energy, marinas, commercial and sports fishermen, the cruise ship industry, yacht clubs and brokerages, boat yards, rail industry, the hospitality industry, as well as strategic partnerships with the U.S. Navy and U.S Coast Guard.

We are writing in support of the Mitsubishi Cement Corporation's (MCC) Warehouse C: Bulk Cement Warehouse and Loading Facility Project, located at the Port of San Diego Tenth Avenue Marine Terminal. The project is currently beginning environmental review.

8-1

SDPTA was involved in the TAMT environmental process that was completed in December 2016. In keeping with our organization's focus, we monitored the process and have since worked to market the TAMT in order to optimize its use and attract strong business partners for the San Diego region.

2390 SHELTER ISLAND DRIVE, SUITE 210 · SAN DIEGO, CALIFORNIA 92106 · (619) 226-6546 · FAX (619) 566-4056
EMAIL: Sharon@sdpta.com, Corchelle@sdpta.com, Chelsea@sdpta.com
Web: www.sdpta.com

The Mitsubishi project is aligned with San Diego's efforts to grow the TAMT and fill vacant warehouse space with companies that will enhance the San Diego community, both through business efforts, as well as through community spirit.

The MCC project will support jobs, will enhance opportunities for smart development in the San Diego region, and will do so with the environment in mind. Fully built, the project is expected to bring nearly $1 million in revenue for the Port of San Diego. What's more, the availability of construction materials, like cement, can help accelerate infrastructure revitalization and economic development throughout San Diego.

8-1, cont

SDPTA has been working with MCC for several years in preparation for this project. There is no question, this project is the right fit for the Port as we move to grow and enhance clean commerce coming in and out of our Port.

Sincerely,

Sharon Cloward
President

Comment Letter 9
Working Waterfront Group

Members
American Tunaboat Association
BAE Systems San Diego Ship Repair
BNSF Railway
Chesapeake Fish Company
Cal Marine Cleaning
CEMEX
Continental Maritime
Coordinated Maritime Services
CP Kelco
Dixieline Lumber and Home Centers
Dole Fresh Fruit Co.
Driscoll Boat Works
General Dynamics NASSCO
Harborside Refrigerated Services
Harvest Meat Company Incorporated
Honor Marine Electronics
Industrial Environmental Association
International Longshore and Warehouse Union
Koehler Kraft Co. Inc.
Lee & Associates
Marine Group Boat Works
National City Chamber of Commerce
Nielsen Beaumont Marine, Inc.
Otay Mesa Chamber of Commerce
Pacific Merchant Shipping Association
Pacific Ship Repair and Fabrication, Inc.
Pasha Automotive Services
Port of San Diego
Port of San Diego Ship Repair Association
R.E. Staite Engineering
San Diego & Imperial Valley Railroad
San Diego-Imperial Counties Labor Council
San Diego Freight Rail Consulting
San Diego Military Advisory Council
San Diego Port Tenants Association
San Diego Regional Chamber of Commerce
San Diego Regional Economic Development Corporation
San Diego Ship Repair Association
SDG&E
Shelter Island Boatyard
Solar Turbines
South County Economic Development Council
Stevedoring Services of America
Sun Harbor Marina
The Jankovich Company
Westflex Industrial

THE WORKING WATERFRONT ON SAN DIEGO BAY

October 10, 2017

Kelly Czechowski
San Diego Unified Port District Land Use Planning Department
P. O. Box 120488
San Diego, CA 92112-0488

Sent via e-mail: kczechowski@portofsandiego.org

RE: **SCH# 2017091051; Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project, City of San Diego; San Diego County, California**

Dear Ms. Czechowski:

Formed in 2004, the Working Waterfront Group (WWG) is a collaborative organization of ship-building, ship-repair, trade, military, labor, fishing, environmental and industry leaders and supporters who seeks to influence policy to improve the economic and environmental well-being of the San Diego region. The Working Waterfront industries and partners are dedicated to environmental sustainability measures that protect natural resources. Working Waterfront Group members are community partners involved in neighborhood improvements and programs.

We are writing in support of the Mitsubishi Cement Corporation's (MCC) Warehouse C: Bulk Cement Warehouse and Loading Facility Project, located at the Port of San Diego Tenth Avenue Marine Terminal. The project is currently beginning environmental review. **9-1**

WWG has stayed involved and has monitored the environmental process that was completed in December of 2016. The WWG has and will continue to support the optimization of the TAMT in order to attract new business opportunities while creating jobs for our region.

Contribute significantly to the region's economy through the preservation of these businesses and the family-supporting waterfront jobs they provide.

The Mitsubishi project is aligned with San Diego's efforts to grow the TAMT and fill vacant warehouse space with companies that will enhance the San Diego community, both through business efforts, as well as through community spirit.

The MCC project will support jobs, will enhance opportunities for smart development in the San Diego region, and will do so with the environment in mind. Fully built, the project is expected to bring nearly $1 million in revenue for the Port of San Diego. What's more, the availability of construction materials, like cement, can help accelerate infrastructure revitalization and economic development throughout San Diego.

9-1, cont

WWG has stayed up to date with MCC in preparation of this project. There is no question, this project is the right fit for the Port as we move to grow and enhance clean commerce coming in and out of our Port.

Sincerely,

John Pasha
Pasha Automotive Services
Co-Chair, Working Waterfront Group

Dennis DuBard
General Dynamics NASSCO
Co-Chair, Working Waterfront Group

Contribute significantly to the region's economy through the preservation of these businesses and the family-supporting waterfront jobs they provide.

Appendix B

Report of Geotechnical Investigation
10th Avenue Marine Terminal (Warehouse C)
Cement Unloading Facility, San Diego, California

REPORT OF GEOTECHNICAL INVESTIGATION
10TH AVENUE MARINE TERMINAL (WAREHOUSE C)
CEMENT UNLOADING FACILITY
SAN DIEGO, CALIFORNIA

Prepared for

MITSUBISHI CEMENT CORPORATION
151 Cassia Way
Henderson, Nevada 89014

Prepared by

GROUP DELTA CONSULTANTS, INC.
9245 Activity Road, Suite 103
San Diego, California 92126

Project No. SD458
February 28, 2017

GROUP DELTA

February 28, 2017

Mitsubishi Cement Corporation
151 Cassia Way
Henderson, Nevada 89014-6616

Attention: Mr. Michael Jasberg

SUBJECT: REPORT OF GEOTECHNICAL INVESTIGATION
10th Avenue Marine Terminal (Warehouse C)
Cement Unloading Facility
San Diego, California

Mr. Jasberg:

This document provides the results of our geotechnical investigation for the proposed Cement Unloading Facility addition to Warehouse C within the 10th Avenue Marine Terminal in San Diego, California. Our subsurface investigation indicates that the proposed pile foundations for the new Cement Unloading Facility addition will need to extend through about 35 feet of loose soil in order to derive axial capacity from embedment within the underlying dense paralic deposits. Specific conclusions regarding the geotechnical constraints at the site, and preliminary geotechnical recommendations for piles, retaining walls, and pavements are provided in the following report.

We appreciate this opportunity to be of continued professional service. Feel free to contact the office with any questions or comments, or if you need anything else.

GROUP DELTA CONSULTANTS

Charles Robin (Rob) Stroop, G.E. 2298
Associate Geotechnical Engineer

Matthew A. Fagan, G.E. 2569
Senior Geotechnical Engineer

James C. Sanders, C.E.G. 2258
Associate Engineering Geologist

Distribution: (1) Addressee, Mr. Michael Jasberg (mjasberg@mitsubishicement.com)
(1) Addressee, Mr. Derek Couse (dcouse@mitsubishicement.com)
(1) M3 Engineering, Mr. Randy Hamilton (rhamilton@m3eng.com)

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1.0 INTRODUCTION

The following report presents the results of our geotechnical investigation for the new Cement Unloading Facility addition to Warehouse C (Units C-7 and C-9) at the 10th Avenue Marine Terminal in San Diego, California. Two alternative locations (inside or outside) are currently being considered for the cement load out structures, as shown in Figures 1A and 1B. In addition, an underground or overhead cement feed pipe will cross the access road and rail lines between the bay and Warehouse C at the approximate location shown in Figures 1A and 1B. Note that a future Phase 2 expansion may also ultimately include cement stockpile storage within Units C-8 and C-10, as shown in Figures 1A and 1B. Photographs of the site are provided in Figures 1C through 1F.

The purpose of this investigation was to characterize the general geotechnical constraints to site development, and provide preliminary geotechnical recommendations to aid in design of the proposed pile foundations, pavements, retaining walls and surface improvements. The recommendations provided herein are based on our recent subsurface explorations, laboratory tests, engineering and geologic analyses, and our previous experience with similar conditions.

1.1 Scope of Services

This report was prepared in general accordance with the provisions of the referenced proposal (GDC, 2015). In summary, we provided the following scope of services.

- A geologic reconnaissance of the site and a review of relevant geologic reports referenced in Section 8.0.

- A subsurface exploration of the site including one exploratory boring and three cone penetrometer test (CPT) soundings within Unit C-7. The approximate locations of the explorations are shown on the Exploration Plan, Figure 2D. Logs describing the conditions we encountered in the explorations are provided in Appendix A. We also documented the existing distress to Warehouse C-7 (see Section 1.4).

- Laboratory testing of selected samples collected from the exploratory boring. The geotechnical laboratory test results are presented in Appendix B. Additional soil samples were collected from the CPT soundings and sent to CalScience Eurofins for contaminant testing. The environmental test results are presented in Appendix C.

- Engineering analysis of the field and laboratory data to help develop geotechnical recommendations for site preparation, earthwork, pile foundation, pavement and retaining wall design, soil reactivity, and site drainage and moisture protection. The results of our liquefaction analyses are summarized in Appendix D.

- Preparation of this report summarizing our findings, conclusions and preliminary geotechnical recommendations for the planned additions.

1.2 Site Description

The 10th Avenue Marine Terminal (TAMT) was constructed in the 1960s, shortly after formation of the San Diego Unified Port District in 1962. Warehouse C is located northeast of the intersection between Terminal and Switzer Streets, as shown on the Site Location Map, Figure 1. The planned additions to Warehouse C will be located within Units C-7 and C-9 in the southwest corner of the structure, as shown in Figures 1A and 1B. Note that a future Phase 2 expansion may also include portions of Units C-8 and C-10. Photographs of Warehouse C are presented in Figures 1C to 1F.

Each of the Warehouse C units includes roughly 48,000 ft^2 of storage space for dry goods shipped into the Port of San Diego. Surveyed elevations for the asphalt concrete floor within the warehouse vary from about 16.4 to 16.9 feet above mean Lower Low Water (MLLW), whereas surface grades along the southern edge of the structure vary from about 12.1 to 12.2 feet MLLW. The warehouse floor is therefore situated about 4 feet higher than surface grades outside the building. The grade separation is accomplished using a concrete retaining wall located several feet beyond the perimeter of the structure, as shown in Figure 1C. Trucks may load goods from Warehouse C using several paved loading ramps located along the perimeter of the structure.

The inside of the warehouse is surfaced with about 3-inches of asphalt concrete placed directly over compacted fill soil (see Figure 1D). The existing pavements outside of the warehouse also consist of asphalt concrete, although these pavements include two embedded sets of steel rail tracks (see Figure 1C). The rails are underlain by gravel or ballast to depths of roughly 4 to 10 feet below grade. Existing subsurface utilities around the warehouse include storm drain, water, electric and telephone. We understand that most of these utilities cross overhead within the building.

1.3 Proposed Development

New cement load out structures are proposed at one of the two alternative locations shown in Figures 1A and 1B. Option A would include interior cement load out silos, as shown in Figure 2A. Two steel holding bins would be added over the roof of Unit C-7 for Option A. Option A is proposed to include reconstruction of the two loading docks located near the southwest corner of Unit C-7 (including Door 25). In addition, grades would be lowered roughly 4 feet within the building in order to accommodate through truck traffic, as shown in Figure 2A. Two 4-foot high retaining walls would be constructed on either side of the truck lane and scale, as shown in Figure 2A.

Option B would also include two steel cement load out silos. However, these silos would be located outside of Warehouse C, centered about 25 feet west of the building wall for Unit C-7. Option B would not require demolition of the warehouse ceiling, and would better permit the use of driven piles for support of the eight silo column foundations. Option B would also provide more cement storage space within Unit C-7. Note that for both Options A and B, numerous 8-foot high concrete retaining walls will be added inside Units C-7 and C-9 in order to keep the cement from loading the existing building walls. The concrete barrier configuration for Option B is shown in Figure 2B.

For both options, the two cement load out silo additions will each be supported by steel towers with four columns on a center to center spacing of 12 to 14 feet. Each of the columns will be founded on either a single Cast-in-Drilled-Hole (CIDH) pile, or a group of four precast, prestressed concrete driven piles. The structural designer has provided anticipated service loads on the order of 135 kips per support, with seismic loads on the order of 550 kips per support in compression, and 300 kips in tension. Preliminary pile design parameters are provided in Section 6.4.

In addition to the improvements to Warehouse C described above, the cement will need to be moved northwest from ships docked within the bay to the cement stockpiles within Warehouse C. The pneumatic cement feed pipes will cross the main access road for the Marine Terminal at the approximate location shown in Figures 1A and 1B. Two options are also being considered for the pneumatic feed pipe crossing. Option 1 would include new underground pipes beneath the road and rail lines. Option 2 would include an overhead pipe bridge with three isolated bridge support structures. Cross sections of the two Feed Pipe Crossing options are shown in Figure 2C.

1.4 Distress Evaluation

Warehouse C is a reinforced concrete structure supported by continuous perimeter grade beams, with isolated columns spaced at 60 to 74 feet within the structure (see Figure 1D). As shown in the referenced as-built drawings, the pile caps are supported by groups of 2 or 3 driven piles (Ferver-Dorland, 1962). The piles tip elevations are not shown on the plans. The piles appear to consist of 12-inch square precast concrete. The roof of the building is supported by steel beams and trusses.

Various signs of distress to the existing structure were noted during our site reconnaissance. Figure 1E shows the existing condition of the concrete loading ramp and retaining walls at Door 25 along the southern edge of Warehouse C-7. This photograph provides a clear indication of differential movement between the perimeter foundations supporting the structure and the surrounding surface improvements. The pattern of distress suggests that the ground surfaces both within and outside of the structure have settled relative to the building foundations, which are pile supported. The retaining wall appears to have rotated out, as indicated by the ½ inch wide crack that widens to 1½ inches at the top of the wall (see Figure 1E). The inside of the structure also appears to have settled down about ¾-inch relative to the pile supported wall at Door 25.

The asphalt concrete pavements within the building are in relatively good condition. The as-built drawings indicate that the inside of the structure was surfaced with a 3-inch thick asphalt concrete pavement, as encountered in Boring B-1. There are indications of differential settlement along the entire southern building wall inside Warehouse C-7, both east and west of Door 25. In each case, the asphalt concrete surfaced floor of the warehouse appears to have moved down relative to the pile supported building wall. In some areas, asphalt oil stains are present along the concrete building wall well above the current pavement surface. In other areas, the asphalt surface appears to have settled down relative to various minor foundations that are attached to the building wall.

Signs of differential settlement are also evident at Door 11, which separates Warehouse Unit C-7 from Unit C-9 (see Figures 1F and 2A). The asphalt concrete over the grade beam that supports the interior building wall between Warehouses C-7 and C-9 is about ¾-inch higher than the asphalt concrete pavement surface on either side. This pattern of distress also suggests that the interior of the structure has settled down relative to the pile supported building foundations.

2.0 FIELD AND LABORATORY INVESTIGATION

The field exploration included a visual reconnaissance of the site, a distress evaluation, the drilling of one exploratory boring, and the advancement of three cone penetrometer (CPT) soundings within Unit C-7. These field explorations were completed between February 24th and March 4th, 2016. The maximum depth of exploration was about 85 feet. The approximate locations of the boring and three CPT soundings are shown on the Exploration Plan, Figure 2D. Logs describing the subsurface conditions we encountered within these explorations are presented in Appendix A.

At the location of CPT-2, shear wave velocity measurements were taken at 5 foot depth intervals using an air actuated hammer located inside the front jack of the CPT rig. The interval shear wave velocity measurements are provided immediately after Figure A-3c. The average shear wave velocity measured within the upper 85 feet (Vs_d) at the location of CPT-2 was 744 ft/s (or 227 m/s). Based on a commonly used extrapolation method, Vs_{30} is estimated at 240 m/s (Boore, 2004).

Soil samples were collected from the boring for laboratory testing and analysis. The testing program included gradation analysis to aid in material classification using the Unified Soil Classification System (USCS). The moisture content and dry density of selected samples was determined, along with the specific gravity for use in volumetric analysis. Index tests were conducted to help evaluate the soil plasticity and expansion potential. Chemical extractions were conducted to determine the soluble sulfate and chloride contents, and the soil corrosion potential. A direct shear test was conducted to aid in strength and skin friction characterization for pile design. A consolidation test was conducted to help characterize the compressibility of the soft fat clay bed observed within the hydraulic fill. An R-Value test was conducted on a bulk sample to aid in preliminary pavement section design. The laboratory test results are summarized in Appendix B.

Soil samples were also collected from soundings CPT-1 and CPT-3 at depths of 5, 10, 15 and 20 feet for environmental testing. The environmental samples were sealed in glass containers with Teflon lids and stored in an ice chest until delivery to a certified testing laboratory. The samples were then tested by Eurofins CalScience for environmental contaminants using EPA methods. Each sample was tested for Total Petroleum Hydrocarbons (EPA 8015M), Volatile Organic Compounds (EPA 8260B), Title 22 Metals (EPA 8270C), Polychlorinated Biphenyls (EPA 8082), Organochloride Pesticides (EPA 8081A), Organophosphorus Pesticides (EPA 8141A) and Chlorinated Herbicides (EPA 8151A). Samples that were analyzed for volatile constituents were preserved in the field using EPA 5035 methods (Encore). The environmental test results are presented in Appendix C.

3.0 GEOLOGY AND SUBSURFACE CONDITIONS

The site is located within the coastal plain section of the Peninsular Ranges geomorphic province of southern California, and is underlain at depth by Pleistocene-age paralic deposits (Map Unit Qop_6), as shown on the Local Geologic Map, Figures 3A. These materials typically consist of medium dense to dense sand and very stiff to hard clay that should provide good support for the new pile foundations. The Old Paralic Deposits are covered with 30 to 35 feet of loose fill, hydraulic fill, and bay deposits as shown on the Geologic Hazard Map, Figure 3B. A geologic cross section of the site is provided in Figure 3C. Groundwater was encountered at about 4.6 feet above mean lower low water (MLLW) in our explorations. Existing grades at the site vary from about 12 to 16 feet (MLLW). The various geologic units we encountered at the site are described in more detail below.

3.1 Old Paralic Deposits

The site is underlain by Pleistocene-age Old Paralic Deposits to the maximum depth we explored. As observed in the explorations, the old paralic deposits primarily consist of medium dense to dense silty or clayey sand (SM or SC), sandy silt (ML), and sandy lean to fay clay (CL to CH), with occasional beds of gravel. The old paralic deposits have a high shear strength and low compressibility. The corrected Standard Penetration Test (SPT) blow counts (N_{60}) within the sandy paralic deposits at depths of 45 and 50 feet ranged from 25 to 29, indicating a medium dense apparent density. However, the CPT tip resistance at depths of more than 60 feet below grade generally exceeded 200 TSF, indicating a very dense apparent density at that depth.

Two separate units were defined within the old paralic deposits for the purpose of this study. These units are labeled as Old Paralic Deposits (A) and Old Paralic Deposits (B) on the geologic cross section, Figure 3A. The upper Unit A of the old paralic deposits is primarily composed of sandy silt (ML) and lean clay (CL) with frequent thin, discontinuous beds of silty and clayey sand (SM and SC). The silty and clayey sand beds within Unit A are typically 3 to 5 feet thick, with CPT tip resistance on the order of 150 to 200 tons per square foot (TSF), indicating a dense apparent density.

Unit B of the old paralic deposits is characterized by a distinct sequence of massive sandstone and claystone beds, as shown on the geologic cross section. The upper sandstone bed within Unit B is 10 to 15 feet thick, and is very dense with CPT tip resistance above 300 TSF. This sandstone bed is directly underlain by a 4 to 5 foot thick bed of claystone. The claystone bed is located roughly 60 to 70 feet below the Warehouse C-7 interior grades.

The CPT data indicates that the claystone bed in Unit B of the old paralic deposits has an undrained shear strength of about 2,000 to 2,500 lb/ft^2, with a CPT tip resistance of about 20 TSF, indicating a very stiff consistency for a clay, as shown in Appendix A. The distinct claystone bed is underlain by an additional bed of sandstone. Note CPT-2 met with refusal (tip resistance in excess of 600 TSF) within Unit B of the Old Paralic Deposits, at a depth of about 85 feet below grade.

As discussed in Section 2.0, the average shear wave velocity in the upper 100-feet of the soil profile (Vs_{30}) was estimated at 240 m/s (790 ft/s). The site would therefore classify as 2013 California Building Code (CBC) Site Class D (Stiff Soil) in the absence of soil liquefaction (or Site Class F with liquefaction). However, the interval shear wave velocities collected within the Old Paralic Deposits at depths of more than 35 feet below grade varied from 940 to 1,370 ft/s, and averaged 1,215 ft/s. The Old Paralic Deposits would therefore classify as 2013 CBC Site Class C (soft rock or sandstone).

3.2 Hydraulic Fill

About 20 feet of hydraulic fill was encountered above the Old Paralic Deposits, between depths of about 12 to 33 feet below building slab elevations. The hydraulic fill is believed to have been generated from previous dredging operations in the San Diego Bay. Consequently, the hydraulic fill primarily consists of poorly graded sand with silt (SP-SM) or silty sand (SM). Corrected SPT blow counts (N_{60}) within the sandy hydraulic fill ranged 6 to 14, indicating a loose to medium dense apparent density. Direct shear testing indicates a drained friction angle of 34^o for the sandy soils.

A distinct, continuous horizontal bed of fat clay (CH) was encountered within the hydraulic fill at depths of between 23 and 28 feet below the ground surface. The undrained shear strength of this fat clay (CH) is estimated at about 500 lb/ft^2, indicating a soft consistency. The fat clay within the hydraulic fill is considered to be highly compressible. A consolidation test on the fat clay is presented in Figure B-6 of Appendix B. Note that long-term settlement of this continuous fat clay bed is likely to have contributed to the observed distress at the site (see Section 1.4).

It should be noted that the fat clay bed within the hydraulic fill likely marks the old bay floor. The as-built drawings indicate that soft mud existed at about -6 feet elevation along the southern edge of Warehouse C prior to construction. However, the fat clay is underlain by about 5 feet of loose silty sand (SM) with a similar gradation and SPT blow count (N_{60}~6) to the overlying hydraulic fill. Therefore, the bay deposits were not differentiated from the hydraulic fill for this investigation.

3.3 Fill

Roughly 8 to 12 feet of fill was observed in our explorations, directly overlying the hydraulic fill. This fill was likely placed after the hydraulic fill operations were completed in order to raise grades above the water surface elevation, and is noticeably different in composition. The undocumented fill we encountered consisted of clayey sand (SC) and lean clay (CL) with up to about 19 percent subangular gravel. Laboratory tests conducted on shallow sample of the clayey fill indicated a low plasticity (Liquid Limit of 35), and a low expansion potential (Expansion Index of 32). However, R-Value tests indicate that the clayey soil directly beneath the building slab will provide poor support for truck loads (an R-Value of 6). The surficial clayey fill soils are considered to be unsuitable for the direct support of the planned improvements due to their low strength and poor R-Value.

3.4 Groundwater

Groundwater was encountered in Boring B-1 at a depth of 12 feet below grade (corresponding to an elevation of about 4.6 feet MLLW). The local groundwater table is strongly influenced by water surface elevations within the San Diego Bay.

4.0 GEOLOGIC HAZARDS

The subject site is located within an area previously known for significant geologic hazards, including soil liquefaction and active faulting, as shown on the Geologic Hazard Map, Figure 3B. Note that the Geologic Hazard Map was based on Tiles 13 and 17 from the City of San Diego's 2008 Seismic Safety Study. The site is also located within an Alquist-Priolo Earthquake Fault Zone for the Rose Canyon fault zone, as shown in Figures 4A through 4C. The primary geologic hazards at the site will be associated with strong ground shaking, liquefaction, and dynamic settlement due to an earthquake on the Rose Canyon fault zone. However, ground rupture due to active faulting is also possible within Warehouse C. Each potential geologic hazard is discussed below.

4.1 Ground Rupture

Ground rupture is considered to be a potential geologic hazard since the site is located within an Alquist-Priolo Earthquake Fault Zone. However, we understand the proposed improvements to the warehouse may be exempt from the Alquist-Priolo Earthquake Fault Zoning Act (Act), which places restrictions on the construction of certain new structure for human occupancy along active fault lines. Note that fault rupture would occur within the Old Paralic Deposits that are covered with 30 to 35 feet of loose fill, hydraulic fill, and bay deposits. In our opinion, the thickness and loose physical characteristics of these overlying soils should attenuate surface manifestations from fault rupture. Surface deformations associated with faulting may be on the same order of magnitude as those estimated from liquefaction and dynamic settlement, as discussed in Section 4.3 below.

4.2 Seismicity

The planned improvements are located at latitude 32.6991° north and longitude 117.1558° west. The locations of known active faults within a 100 km radius of the site are shown on the Regional Fault Map, Figure 4A. The nearest known active fault is associated within the Silver Strand segment of the Rose Canyon fault zone, as shown in Figures 4B and 4C.

The United States Geologic Survey has developed an interactive website that provides Next Generation Attenuation (NGA) probabilistic seismic analyses based on the site location and average shear wave velocity (USGS, 2009). Using an average shear wave velocity (Vs_{30}) of 240 m/s from the CPT measurements, we estimate that the peak ground accelerations (PGA) with a 2, 5 and 10 percent probability of being exceeded in a 50 year period at the site are approximately 0.49, 0.33g and 0.24g, respectively. These risk levels are often referred to as Maximum Considered (MCE), Upper Bound (UBE) and Design Basis Earthquakes (DBE), respectively.

Structures should be designed in general accordance with the seismic provisions of the 2016 California Building Code (CBC) for a Seismic Design Category D. The USGS General Procedure mapped spectral ordinates S_S and S_1 equal 1.241 and 0.447, respectively. For a Site Class D corresponding to a Vs_{30} of 240 m/s, the Site Coefficients F_a and F_v equal 1.004 and 1.523, respectively. Note that per Section 20.3.1 of ASCE 7-10, a Site Class D may be assumed for liquefiable sites, provided that the fundamental period of vibration of the structure is 0.5 seconds or less. The 2016 CBC General Procedure Design and MCE spectra are shown in Table 1.

A site-specific seismic hazard analyses was also conducted as described in Section 6.4.5. The results of the analyses are shown in Figures 5A through 5C. Based on the site-specific analyses, the design level spectral ordinates S_{DS} and S_{D1} equal 0.665 and 0.642, respectively. The MCE level spectral ordinates S_{MS} and S_{M1} equal 0.998 and 0.963, respectively. The recommended 2016 CBC Site Specific Design and MCE Spectra for a Site Class D are provided in Table 2.

4.3 Liquefaction and Dynamic Settlement

The site is located within an area previously identified as highly susceptible to liquefaction, as shown in Figure 3B. Liquefaction involves the sudden loss in strength of a saturated, cohesionless soil (sand and non-plastic silts) caused by the build-up of pore water pressure during cyclic loading, such as that produced by an earthquake. Typically, liquefaction occurs in areas where there are loose to medium dense sands and silts, and where the depth to groundwater is less than 50 feet from the ground surface. In summary, three simultaneous conditions are required for liquefaction:

- Historic high groundwater within 50 feet of the ground surface
- Liquefiable soils such as loose to medium dense sands
- Strong shaking, such as that caused by an earthquake

The groundwater level at the site is approximately 4.6 feet above mean lower low water (MLLW). The site contains deep deposits of loose to medium dense sands and silts, and is located in close proximity to the active Rose Canyon fault zone. Our analyses indicate that the loose to medium dense sands and silts within the hydraulic fill may liquefy during the Maximum Considered Earthquake (MCE). The medium dense Old Paralic Deposits between 35 and 45 feet may also experience minor seismic settlement. However, the Old Paralic Deposits become dense to very dense at depths of more than 50 feet below grade, and these soils are not considered to be liquefiable or prone to seismic settlement.

The results of our liquefaction analyses are summarized in Appendix D. We performed the liquefaction calculations using the Cone Penetration Test (CPT) data. The triggering evaluation was based on the CPT method developed in the NCEER Workshops (Youd, 2001). The calculations were extended down to a depth of 50 feet below grade. We used a moment magnitude of 7.2 and a Peak Ground Acceleration (PGA_M) of 0.559g, corresponding to the geometric mean MCE seismic event for the nearby Rose Canyon fault zone, as required by the 2016 CBC. The static groundwater level was assumed to be 4.6 feet MLLW for all of the liquefaction analyses.

For our liquefaction analyses, fine-grained soils with an Ic value greater than 2.6 were considered to be too clayey to liquefy (the Ic values are shown in Appendix A). Similarly, granular soils with a normalized clean sand equivalent tip resistance ($Q_{c1N(CS)}$) greater than 160 were considered too dense to liquefy, although settlement was included for sand beds with $Q_{c1N(CS)}$ up to 200. Only those soil zones that are both loose enough and sandy enough to liquefy contribute to the estimated seismic settlement. Dry sand settlement was also included above the groundwater.

The analyses indicate that the site may experience 7 to 8 inches of post-liquefaction settlement. A differential settlement equal to about one-half of the anticipated total liquefaction settlement is often assumed for structural design (SCEC, 1999). Consequently, we estimate that the post-liquefaction differential settlement of the soil underlying the existing Warehouse C structure may vary from about 3½ to 4 inches in 40 feet. Settlement of this magnitude may result in substantial distress to the existing warehouse facilities, and should be evaluated by the project structural engineer. However, if the existing building and/or proposed additions are supported by piles that extend at least 45 feet below interior warehouse surface grades, our analyses also indicate that these piles will experience less than ½-inch total settlement due to the MCE earthquake.

Potential impacts of liquefaction at the site may be moderate to severe. Liquefaction settlement may result in a down drag load on both the existing and proposed piles. Liquefaction also creates the potential for loss of near-surface soil strength resulting in a reduced lateral pile capacity. Note that most of the post-liquefaction settlement typically occurs after the strong ground shaking associated with an earthquake has ended. Consequently, the down drag load should not be superposed with the seismic loads on the piles. Instead, the down drag load should be added to the service loads to check for post-liquefaction pile capacity and settlement.

4.4 Lateral Spreads

The immediate site vicinity is relatively flat (other than the 4-foot high retaining wall around the perimeter of the building). Due to the large distance between the site and the San Diego Bay (more than 500 feet), it is our opinion that damage associated with a potential lateral spread of the quay wall along the bay due to a strong earthquake will primarily be limited to the areas within the TAMT that are located south of Warehouse C. The potential for a lateral spread to adversely affect Warehouse C is considered to be low by comparison.

4.5 Tsunamis, Seiches and Flooding

The site is located about 500 feet from the San Diego Bay, and is situated about 12 to 16 feet above mean lower low water (MLLW) elevations. The relatively close proximity to the bay suggests that the potential may exist for flooding in the event that an earthquake induced tsunami or seiche were to impact the San Diego Bay. However, the existence of the offshore barrier islands and the configuration of the continental shelf in the San Diego vicinity have historically provided relief from tsunamis. The ten largest tsunamis that occurred within the Pacific Ocean over the last 100 years did not significantly impact the San Diego Bay area.

The California Emergency Management Agency's Tsunami Inundation Map indicates that the entire 10th Avenue Marine Terminal site is located slightly above the estimated tsunami inundation area. However, previous studies by the Army Corps of Engineers suggest that a 100-year and 500-year tsunami within the Pacific Ocean may result in a water surface runup of about 5 to 8 feet above the existing bay surface elevations in the site vicinity (U.S. Army, 1974). We understand that the highest recorded water surface elevation within the San Diego Bay was about 8 feet MLLW in 1983. Therefore, some flooding of the Warehouse C facilities could occur in the event that a relatively high water surface elevation within the San Diego Bay were to coincide with the arrival of an earthquake induced tsunami or seiche within the bay.

4.6 Consolidation Settlement

A distinct, continuous bed of soft, compressible fat clay (CH) was observed at depths of between approximately 23 and 28 feet below the interior floor grades. Our analyses indicate that the fat clay bed may experience considerable long-term settlement if subjected to new fill or foundation loads. The sandy hydraulic fill soils will also settle, but relatively rapidly by comparison. The fat clay may settle for many years due the effects of secondary compression. To aid in analyses, a one-dimensional drained consolidation test was conducted using a sample of the fat clay collected from Boring B-1, as shown in Figure B-6 of Appendix B. The test data indicates that the fat clay has a virgin compression index of about 0.25, and a coefficient of consolidation of about 0.01 ft^2/day.

It is our opinion that the patterns of distress to the warehouse that we observed as described in Section 1.4 are most likely associated with settlement of the fat clay bed discussed above. Conventional one-dimensional consolidation theory was used to estimate the magnitude and duration of settlement of the fat clay bed due to the placement of about 11 feet of additional hydraulic fill, as well as 12 feet of conventional fill above the groundwater level. The additional fill load on the fat clay is estimated at about 2,150 lb/ft^2. Our analyses suggest that the fat clay bed may have experienced about 18 inches of total consolidation settlement due to the subsequently placed fill loads. Much of this settlement would have occurred prior to construction of the warehouse in 1962. However, our time rate analyses indicate that settlement of the fat clay would likely take about 6 years to reach 90 percent completion. Warehouse C is believed to have been constructed within about 6 years of the fill placement. The remaining secondary compression would be roughly 2 inches, and could have taken many more years to complete.

In summary, the patterns of distress we observed within Warehouse C-7 are believed to be associated with conventional consolidation settlement and secondary compression, as described above. The most likely explanation for the distress is that Warehouse C-7 was founded on piles that were embedded into the dense old paralic deposits, whereas the floor slab within the building was not pile supported. Therefore, the warehouse structure experienced little or no settlement over the years. On the other hand, the warehouse floor experienced the effects of consolidation and secondary compression over many years. This resulted in several inches of differential settlement between the building foundations and the interior asphalt concrete surface.

5.0 CONCLUSIONS

The planned improvements are feasible from a geotechnical perspective. Provided below is a list of pertinent conclusions followed by recommendations for design and construction.

- The TAMT site is underlain by deep, compressible hydraulic fill soils. These materials appear to have already experienced several inches of settlement since Warehouse C was constructed, as indicted by the various patterns of distress we have observed at the site. Our tests indicate that the distinct fat clay bed within the undifferentiated hydraulic fill is soft in consistency, with a dry unit weight on the order of 70 lb/ft^3 (which is an extremely low density), and a moisture content of 50 percent or more. Therefore, it appears likely that secondary compression of the fat clay may continue for many years at this site. Settlement sensitive improvements should be founded on piles to mitigate the potential for distress.

- The pile foundations for the two new cement silos will need to extend through about 35 feet of loose soil in order to derive adequate axial capacity from the underlying dense old paralic deposits. However, 7 or 8-inches of total dynamic settlement is estimated due to liquefaction of the sandy hydraulic fill under a strong earthquake (see Appendix D). This settlement would result in substantial drag loads on the new piles. Consequently, we have neglected all skin friction contribution to the axial pile capacity for the upper 35 feet of the soil profile. The structural designer should also account for the drag load in the pile design.

- Laboratory tests suggest that the fill soils that will be exposed by the planned excavations for the Option A truck lane may consist of clayey sand (SC) with gravel. These soils appear to have a low expansion potential (EI<50), but will still provide poor support for truck loads based on an R-Value of 6. More highly expansive clays may also exist in other portions of the site. In order to reduce the potential for distress associated with expansive soil heave, two feet of imported low expansion sand or aggregate base (EI<50) should be placed directly beneath the new concrete truck lane for Option A.

- A new 7-inch thick concrete slab may be placed within the building for support of the cement stockpiles and Cat 950 Loader traffic. This concrete slab may be placed directly on top of the existing 3-inch thick asphalt concrete surface. However, it should be noted that continued long-term settlement of the underlying paralic deposits (on the order of ½ inch in 15 years), expansive soil heave, or post-liquefaction settlement may result in cracking and distress to the rigid concrete slab. To reduce the potential for movement and cracking, the slab may be isolated from the pile supported building foundations, and underlain directly by at least 2-feet of low expansion sandy soil (EI<50). However, we understand that the slab may only be used for 15 years, and that the potential for cracking may be tolerable.

- Other geologic hazards that may impact the site include the potential for ground rupture, strong ground shaking, liquefaction and dynamic settlement, and possible flood inundation due to a tsunami or seiche within the San Diego Bay.

6.0 RECOMMENDATIONS

The remainder of this report provides preliminary recommendations regarding earthwork construction and design the proposed improvements and foundations. These recommendations are based on empirical and analytical methods typical of the standards of practice in southern California. If these recommendations do not to appear to cover a specific feature of the project, please feel free to contact our office for additions or revisions.

6.1 Plan Review

We recommend that the demolition, shoring, grading and foundation plans be reviewed by Group Delta Consultants prior to construction. We anticipate that substantial changes in the development will occur from the design concepts used for this investigation. Such changes will require additional geotechnical evaluation, which may result in substantial modifications to the remedial grading and foundation recommendations provided in this report.

6.2 Excavation and Grading Observation

Foundation and grading excavations should be observed by Group Delta Consultants. During construction, Group Delta Consultants should provide observation and testing services continuously. Such observations are considered essential to identify field conditions that differ from those anticipated by this investigation, to adjust designs to the actual field conditions, and to determine that earthwork construction is accomplished in general accordance with the recommendations presented in this report. Our recommendations are contingent upon Group Delta Consultants providing these services. Our personnel should perform sufficient testing of fill and backfill during grading and improvement operations to support our professional opinion as to compliance with the compaction recommendations.

6.3 Earthwork

Grading and earthwork should be conducted in general accordance with the grading ordinance of the City of San Diego and the requirements of the current California Building Code. The following recommendations are provided regarding specific aspects of the proposed earthwork construction. These recommendations should be considered preliminary and subject to revision based on the conditions observed by Group Delta Consultants in the supplemental subsurface investigation.

6.3.1 Site Preparation

General site preparation should begin with the removal of deleterious materials from the site. Deleterious materials include existing structures, foundations, pavements and slabs that are to be demolished, as well as any other demolition debris. Existing utilities that will be abandoned should be removed and any excavations backfilled with proper compaction as described in Section 6.3.3. Alternatively, the abandoned underground pipes may be grouted with a two-sack sand-cement slurry under the observation of Group Delta Consultants.

6.3.2 Improvement Areas

A minimum of two feet of compacted fill with an Expansion Index of 50 or less is recommended beneath the new concrete truck lane for Option A, and beneath all of the new retaining wall foundations. Two feet of low expansion fill (EI<50) may also be placed beneath the new concrete slab-on-grade throughout the warehouse in order to help reduce the potential for cracking and distress. Some of the on-site soils may meet this criterion, although imported fill soil will also likely be needed. In order to accomplish this objective, the upper 12-inches of soil below the slab or wall foundation subgrade elevations should be excavated and stockpiled on site. The exposed subgrade soil should be scarified 12 inches, and then observed and tested by Group Delta. If clayey soil with an Expansion Index above 50 is encountered, the expansive soil should be excavated and replaced with low expansion material. The stockpiled or imported low expansion soil should then be brought to above optimum moisture content, and compacted as described in Section 6.3.3. Subgrade compaction for pavements should be conducted immediately prior to placing concrete or base.

All excavation bottoms should be firm and unyielding prior to placing fill. In areas of saturated or "pumping" subgrade, a geogrid such as Tensar BX-1200 or Terragrid RX1200 may be placed directly on the excavation bottom, and then covered with at least 12 inches of minus ¾-inch aggregate base. Once the excavation is firm enough to attain the required compaction within the base, the remainder of the excavation may be backfilled using either compacted soil or aggregate base.

6.3.3 Fill Compaction

All fill and backfill should be placed at slightly above optimum moisture content using equipment that is capable of producing a uniformly compacted product. The minimum recommended relative compaction is 90 percent of the maximum dry density based on ASTM D1557. Sufficient observation and testing should be performed by Group Delta Consultants so that an opinion can be rendered as to the compaction achieved. Rocks or concrete fragments greater than 6 inches in maximum dimension should not be used in structural fill.

Imported fill sources should be observed prior to hauling onto the site to determine the suitability for use. In general, imported fill materials should consist of granular soil with less than 35 percent passing the No. 200 sieve based on ASTM C136 and an Expansion Index less than 20 based on ASTM D4829. Samples of the proposed import should be tested by Group Delta in order to evaluate the suitability of these soils for their proposed use. During grading operations, soil types may be encountered by the contractor that do not appear to conform to those discussed within this report. Group Delta should be notified to evaluate the suitability of these soils for their proposed use.

A two-sack sand and cement slurry may also be used for structural fill as an alternative to compacted soil. It has been our experience that slurry is often useful in confined areas which may be difficult to access with typical compaction equipment. Samples of the slurry should be fabricated and tested for compressive strength during construction. A minimum 28-day compressive strength of 100 psi is recommended for the two-sack sand and cement slurry.

6.3.4 Temporary Excavations

Temporary excavations are anticipated for the construction of the proposed improvements. All excavations should conform to Cal-OSHA guidelines. Vertical temporary excavations up to 4-feet in height may be conducted (where permitted), but deeper temporary slopes should be inclined no steeper than 1:1 for heights up to 10 feet. Any excavations which encounter seepage should be evaluated by the geotechnical consultant on a case-by-case basis. Any existing shallow foundations located within 10 feet of the planned excavations should be underpinned, if the planned excavations extend below the bottom of the existing footing.

6.4 Preliminary Foundation Recommendations

For preliminary foundation design, the structural engineer has provided anticipated service level loads on the order of 135 kips per support, with maximum loads on the order of 550 kips per support in compression, and 300 kips in tension. All piles should be embedded at least 10-feet into the old paralic deposits, and at least 45-feet below interior pad grades of about 16½ feet MLLW, corresponding to a recommended pile tip elevation of -29½ feet MLLW or lower. For our analyses, the tops of the piles were assumed to be cut off at 5 feet below interior grades (11½ feet MLLW). We have provided recommendations for single 3, 4 or 5-foot diameter CIDH piles ranging from 40 to 90 feet in length, as well as a group of 14-inch square precast concrete driven piles.

6.4.1 Axial Capacity

Either auger-cast or cast-in-drilled-hole (CIDH) piles deriving their capacity from the dense old paralic deposits may be used to support the new silos. Driven piles may also be feasible, provided that the roof of the structure may be removed to accommodate the pile driving equipment in Option A. Preliminary axial pile capacities were estimated using a Factor of Safety of 2.0 for skin friction, and 3.0 for end bearing. However, skin friction was ignored in the upper 35-feet of the soil profile due to the potential for liquefaction, settlement, and the associated drag load on the piles.

The allowable gross axial capacity (Q_{ag}) of each individual pile will be the sum of the pile tip resistance (Q_p) and skin friction (Q_s). Estimated axial pile capacities for 40 and 90-foot long piles are provided in the table below. Note that depending upon the ultimate pile configuration, a group reduction factor (η_T) may apply. Provided that the piles are spaced at least 3 pile diameters in all directions, η_T may be taken as 1.0.

$$Q_{an} = Q_{ag} * \eta_T = (Q_p + Q_s) * \eta_T$$

PILE LENGTH (Z)	14" SQUARE DRIVEN PILE CAPACITY	3' DIAMETER DRILLED PILE CAPACITY	4' DIAMETER DRILLED PILE CAPACITY	5' DIAMETER DRILLED PILE CAPACITY
40 Feet	51 Kips	140 Kips	210 Kips	262 Kips
90 Feet	261 Kips	510 Kips	710 Kips	887 Kips

The allowable gross axial pile capacities presented in the table above may also be used to linearly interpolate pile capacities for intermediate lengths. The allowable gross axial capacities of the various individual piles are given by the following equations.

$$Q_{ag} \sim 4.2 * (Z - 40) + 51 \text{ Kips (for a 14-inch square driven pile)}$$
$$Q_{ag} \sim 7.4 * (Z - 40) + 140 \text{ Kips (for a 3-foot diameter drilled pile)}$$
$$Q_{ag} \sim 10.0 * (Z - 40) + 210 \text{ Kips (for a 4-foot diameter drilled pile)}$$
$$Q_{ag} \sim 12.5 * (Z - 40) + 262 \text{ Kips (for a 5-foot diameter drilled pile)}$$

In the equations above, Z should be taken as the total length of the pile measured from the bottom of the pile cap, which is assumed to be 5 feet below the interior pad grades (11½ feet MLLW). A one-third increase in the pile capacity may be used when considering short-term wind and seismic loads. Note that ultimate drag loads of approximately 113, 258, 344 and 432 kips are estimated for the 14-inch, 3-foot, 4-foot and 5-foot diameter piles, respectively. The compressive strength of the pile sections should be verified by the project structural engineer, including both the service level loads plus the anticipated drag loads on each of the piles due to soil liquefaction.

The allowable axial capacities assume that the piles will be spaced at least 3 pile diameters center to center, such that group effects may be neglected ($\eta_T \sim 1.00$). However, we understand that the actual pile spacing may vary from 12 to 14 feet, center to center. For 14-inch, 3-foot and 4-foot diameter piles spaced at 12-feet or more, the three diameter spacing criterion will be satisfied and group effects may be neglected. However, if 5-foot diameter piles are used at the site with a 12-foot center to center spacing (2.4 pile diameters), a reduction factor (η_T) of 0.67 should be applied to the individual axial capacities to account for group effects per Table 10.8.3.6.3 of the 2014 California Amendments to the AASHTO LRFD code.

6.4.2 Uplift Capacity

The net allowable uplift capacity (T_{an}) of each individual pile will be controlled by skin friction developed along the length of the pile. The gross uplift capacity (T_{ag}) of the pile will equal the uplift capacity plus the weight of the pile and tributary weight of the pile cap (W_{p+c}). Estimated net uplift capacities for 40 and 90-foot long piles are presented below. Note that depending upon the ultimate pile configuration, a group reduction factor (η_T) may apply, as discussed previously.

$$T_{ag} = T_{an} * \eta_T + W_{p+c}$$

PILE LENGTH (Z)	14" SQUARE DRIVEN PILE CAPACITY	3' DIAMETER DRILLED PILE CAPACITY	4' DIAMETER DRILLED PILE CAPACITY	5' DIAMETER DRILLED PILE CAPACITY
40 Feet	27 Kips	82 Kips	108 Kips	136 Kips
90 Feet	167 Kips	437 Kips	578 Kips	716 Kips

The net allowable uplift capacities presented in the table above may be used to linearly interpolate pile capacities for intermediate lengths. The net allowable uplift capacities of the various individual piles are given by the following equations. The allowable net uplift capacities incorporate a Safety Factor of 2.0. The tensile strength of the pile should be verified by the structural engineer.

T_{an} ~ 2.8 * (Z – 40) + 27 Kips (for a 14-inch square driven pile)
T_{an} ~ 7.1 * (Z – 40) + 82 Kips (for a 3-foot diameter drilled pile)
T_{an} ~ 9.4 * (Z – 40) + 108 Kips (for a 4-foot diameter drilled pile)
T_{an} ~ 11.6 * (Z – 40) + 136 Kips (for a 5-foot diameter drilled pile)

6.4.3 Lateral Capacity

Lateral loads may be resisted by passive pressure from the vertical portion of the pile caps that are embedded into fill. A coefficient of friction of 0.30 and a passive pressure of 300 psf per foot of depth may be assumed. Lateral capacity will be obtained directly from pile bending. Preliminary lateral pile analyses were conducted using the program LPILE, assuming elastic pile conditions. The following soil profile was used. Note that for Layer 4, the friction angle and modulus were assumed to increase linearly from the top to the bottom of the layer.

LAYER NO.	TOP OF LAYER [IN]	BOTTOM OF LAYER [IN]	EFFECTIVE UNIT WEIGHT [PCI]	FRICTION ANGLE OR COHESION	MODULUS OR E_{50}
1 (Sand)	-60	84	0.0694	30°	40 PCI
2 (Sand)	84	216	0.0333	34°	60 PCI
3 (Clay)	216	276	0.0300	3.4 PSI	E_{50} ~ 0.018
4 (Sand)	276	1000	0.0333	34° to 38°	80 to 200 PCI

The piles were assumed to be loaded at the maximum allowable axial capacities provided in Section 6.4.1. For these analyses, we evaluated the response of a single 40-foot long pile, assuming both free-head (zero moment) and fixed-head (zero rotation) conditions. Minimum 28-day compressive strengths of 3,000 psi and 7,000 psi were assumed for the drilled and driven piles, respectively. The results of the LPILE analyses are summarized in the table below. This table shows the maximum shear loads at the tops of the piles corresponding to a pile head displacement of ½ and 1 inch. Note that fixed-head piles will require larger lateral loads to produce the same displacement as compared to free-head conditions. However, the true pile head fixity is generally located somewhere between these two assumptions, as determined by the structural designer.

PILE TYPE	PILE HEAD FIXITY	½-INCH DEFLECTION	1-INCH DEFLECTION
14-Inch Driven	Free-Head (Fixed-Head)	36 Kips (84 Kips)	58 Kips (134 Kips)
3-Foot Drilled	Free-Head (Fixed-Head)	110 Kips (235 Kips)	170 Kips (373 Kips)
4-Foot Drilled	Free-Head (Fixed-Head)	170 Kips (392 Kips)	290 Kips (592 Kips)
5-Foot Drilled	Free-Head (Fixed-Head)	264 Kips (602 Kips)	486 Kips (930 Kips)

6.4.4 Settlement

Our analyses indicate that the pile settlement under the allowable axial loads provided above will typically be less than ½ inch. For the liquefied condition, we checked the pile capacity and settlement under the service loads including post-liquefaction down drag loads. Provided that the new pile foundations are deepened to bear at least 10-feet within the old paralic deposits as recommended, we estimate that the total settlement of the new pile foundations (including down drag) will be less than 1 inch. Differential settlement is estimated at less than ¾ inch in 40 feet.

6.4.5 Pile Installation

If cast-in-drilled-hole (CIDH) piles are used, a temporary casing may be needed to reduce caving in the upper 35 feet of loose hydraulic fill soils. Since skin friction was neglected in this zone, the casing may be left in place (if desired) without reduction to the allowable capacities. However, any temporary casing placed below 35 feet in depth should be removed prior to concrete placement. Once the casings have been extended sufficiently into dense paralic deposits, the excavations may be able to proceed using drilling mud (wet methods). The pile capacities include end bearing, and efforts should be made to thoroughly clean the excavation bottoms prior to concrete placement.

Auger-cast piles may also be used to help reduce the potential for caving. The use of displacement auger cast piles will also help to reduce the amount of soil that will need to be exported from the site (compared to CIDH piles), which may be beneficial in the event that contaminated soils are encountered. However, it should be noted that consistently high quality piles may be more difficult to construct using the auger-cast method, since the on-site soil and groundwater will get mixed into the pile in that case. It has been our experience that auger cast pile concrete may end up with a relatively high water to cement ratio during construction, which may reduce the 28-day compressive strength of the auger cast pile concrete lower than anticipated. Samples of the actual concrete used to construct each pile should be fabricated and tested for compressive strength during construction to confirm the strength assumed for design.

Pile installation quality control should include monitoring of the construction of each pile with full time observation by Group Delta Consultants. Pile load tests are not recommended since a Factor of Safety of 2.0 was applied to shaft resistance, and a Factor of Safety of 3.0 was applied to end bearing. However, integrity tests should be performed on any drilled piles using sonic echo, cross-hole sonic, single-hole sonic, or gamma-gamma test methods. For driven piles, the axial capacity and drivability should be evaluated with indicator piles using a Pile Driving Analyzer (PDA).

6.4.6 Seismic Design

The shear wave velocity was measured at 5-foot depth intervals in CPT-2 using a geophone located in the tip of the cone penetrometer, as discussed in Section 2.0. The average shear wave velocity in the upper 100 feet of the soil profile at the site (Vs_{30}) was estimated at 240 m/s based on this data. The interval shear wave velocity data is presented in Appendix A.

Site specific spectra were developed using Next Generation Attenuation (NGA) relationships to approximate site effects, based on the average shear wave velocity of 240 m/s. Based on the findings of our investigation, it is our opinion that a 2016 CBC Site Class D will be most applicable to the general site conditions. The 2016 CBC Seismic Design Category is D. For a Seismic Design Category D, the MCE geometric mean (MCE_G) peak ground acceleration (PGA_M) is 0.559g, and the probabilistic MCE scaling factors (C_{RS} and C_{R1}) are 0.842 and 0.867, respectively.

Deterministic Spectra: The median deterministic response spectra for the ten closest known active faults are shown in Figure 5A. These spectra were developed using the Caltrans ARS Online tool and the associated spreadsheet (Caltrans, 2016). The deterministic response spectra incorporate Caltrans near source factors where applicable. Note that the upper bound of the deterministic site response is controlled by a Magnitude 7.2 (M_w) earthquake on either the Silver Strand or the Downtown Graben segments the Rose Canyon fault zone. The 84th percentile (MCE) spectrum shown in green in Figure 5A was obtained by multiplying the upper bound of the median deterministic response spectra by the scaling factors provided in Table C21.2-1 of the 2009 NEHRP Recommended Seismic Provisions. These scaling factors are used to estimate both the 84th percentile and the maximum rotated component of the deterministic spectra. The lower limit of the site specific 2016 CBC Deterministic MCE Response Spectrum for Site Class D is shown in blue in Figure 5A, along with selected ordinates from the MCE spectrum.

Probabilistic Spectra: A probabilistic seismic hazard analyses was conducted using the USGS seismic model (USGS, 2016). The uniform hazard response spectra associated with the *Design Basis, Upper Bound*, and *Maximum Considered Earthquakes* (MCE) are shown in Figure 5B. The recurrence intervals for these three spectra are about 475, 975 and 2,475 years, respectively. The probabilistic spectra have also been modified using the scaling factors from Table C21.2-1 of the 2009 NEHRP Recommended Seismic Provisions in order to determine the maximum rotated component of the spectral response. As required by the CBC, the probabilistic scaling factors (C_{RS} and C_{R1}) were also applied to the MCE spectrum per Section 21.2.1.1 of ASCE 7-10. These scaling factors are used to estimate the risk-targeted MCE_R spectrum which reflects a one percent probability of collapse in 50 years. The Maximum Considered Earthquake (MCE_R) spectrum shown with a dashed blue line in Figure 5B defines the 2016 CBC Probabilistic MCE Response Spectrum for Site Class D.

Design Spectra: Our site-specific hazard evaluation was conducted in general accordance with Section 21.2 of ASCE 7-10, which involves a comparison of the deterministic and probabilistic MCE response spectra described previously. The 2016 CBC Deterministic MCE Response Spectrum for Site Class D is shown in light blue in Figure 5C. The 2016 CBC Probabilistic MCE Response Spectrum for Site Class D is shown in dark blue in Figure 5C. The 2016 CBC Site Specific MCE Response Spectrum for Site Class D is the lower limit of the deterministic and probabilistic MCE spectra, as shown in dashed green in Figure 5C. The 2016 CBC Site Specific Design Spectrum for Site Class D is shown using a dashed black line in Figure 5C. Note that the design spectrum generally represents two-thirds of the 2016 CBC Site Specific MCE Response Spectrum shown in green, although it may not be taken as less than 80 percent of the USGS mapped spectrum shown in gray in Figure 5C.

The recommended 2016 CBC Site Specific Design Spectrum for Site Class D is shown in black in Figure 5C. This code shaped design spectrum is completely defined by the site specific short-period and one-second spectral design ordinates (S_{DS} and S_{D1}). The site specific spectral design ordinates S_{DS} and S_{D1} equal 0.665 and 0.642, respectively. The peak ground acceleration associated with the site specific design spectrum may be taken as 40 percent of S_{DS} or 0.266g. The site specific MCE parameters S_{MS} and S_{M1} are equal to 1½ times the site specific design values or 0.998 and 0.963, respectively. The recommended site specific MCE and design spectra are also shown in Table 2.

6.5 On-Grade Slabs

On-grade slabs should be designed by the project structural engineer. Building slabs should be at least 6 inches thick, and should be reinforced with at least No. 3 bars on 18-inch centers, each way. Slab thickness, control joints, and reinforcement should be designed by the structural engineer and should conform to the requirements of the current CBC. The bearing soils are anticipated to be predominately granular with a low expansion potential (EI<50). However, samples of the slab subgrade soils should be collected tested during construction to determine the Expansion Index. If moderately or highly expansive soils are encountered during grading at slab subgrade elevations, the clayey subgrade soil should be over-excavated two feet, and two feet of low expansion soils (EI<50) should be placed directly beneath the heave sensitive concrete slabs on-grade.

We understand that a 7-inch thick concrete slab is being considered for use within the warehouse to support the cement stockpiles and loader traffic. To help reduce the potential for cracking of the rigid slab due to continued soil settlement or heave, the 7-inch thick slab may be underlain by two feet of low expansion fill soil (EI<50), as discussed in Section 6.3.2. The concrete slab should also be isolated from the pile supported building foundations. However, based on our conversations with the property owner, we understand that the concrete slab may have a relatively short design life on the order to 10 to 20 years, and that the potential for some cracking and distress during that time period may be tolerable. In that case, the concrete slab-on-grade may be placed directly over the existing 3-inch thick asphalt concrete surface within the warehouse.

6.5.1 Moisture Protection for Slabs

During our site reconnaissance, we noted areas where the existing asphalt concrete surface within the warehouse appeared to be wet due to capillary rise from the underlying soil. Consequently, we understand that a true vapor barrier such as 15-mil StegoWrap is being considered beneath the new concrete pavement within the warehouse in order to help reduce the potential for moisture transmission that may adversely impact the cement stockpiles. Note that the addition of the 7-inch thick concrete slab should in itself help reduce moisture transmission. Some product manufacturers indicate that a properly installed and sealed vapor barrier such as 15-mil StegoWrap will transmit almost no moisture (less than 0.01 perms). It is our opinion that this vapor barrier will be equally effective if placed directly on soil beneath the new slab, or directly on the existing 3-inch thick asphalt concrete surface within the warehouse.

Concrete slabs constructed on grade ultimately cause the moisture content to rise in the underlying soil. This results from continued capillary rise and the termination of normal evapotranspiration. Because normal concrete is permeable, the moisture will eventually penetrate the slab. Excessive moisture may cause mildewed carpets, lifting or discoloration of floor tiles, or similar problems. To decrease the likelihood of problems related to damp slabs, suitable moisture protection measures should be used where moisture sensitive floor coverings, equipment, or other factors warrant.

The most common moisture barriers consist of two to four inches of clean sand covered by 'visqueen' plastic sheeting. Two inches of sand are placed over the plastic to decrease concrete curing problems. It has been our experience that such systems will transmit approximately 6 to 12 pounds of moisture per 1000 square feet per day. The design team should review the estimated moisture transmission rates, since these values may be excessive for some applications. The design team should specify an appropriate moisture barrier based on the allowable moisture transmission rate for the flooring. This may require a “vapor barrier” or a “vapor retarder”.

The American Concrete Institute provides detailed recommendations for moisture protection systems (ACI 302.1R-04). ACI defines a “vapor retarder” as having a minimum thickness of 10-mil, and a water transmission rate of less than 0.3 perms when tested per ASTM E96. ACI defines a “vapor barrier” as having a water transmission rate of 0.01 perms or less (such as a 15 mil StegoWrap). The vapor membrane should be constructed in accordance with ASTM E1643 and E1745 guidelines. All laps or seams should be overlapped at least 6 inches or per the manufacturer recommendations. Joints and penetrations should be sealed with pressure sensitive tape, or the manufacturer’s adhesive. The vapor membrane should be protected from puncture, and repaired per the manufacturer’s recommendations if damaged.

The vapor membrane is typically placed over 4 inches of granular material, although we understand that the membrane may be placed directly over the existing asphalt concrete surface in this case. If base is used, it should consist of a clean, fine graded sandy soil with roughly 10 to 30 percent passing the No. 100 sieve. The sand should not be contaminated with clay, silt, or organic material. The sand should be proof-rolled prior to placing the vapor membrane.

Based on current ACI recommendations, the concrete slab should be placed directly over the vapor membrane. The common practice of placing sand over the vapor membrane may increase moisture transmission through the slab, because it provides a reservoir for bleed water from the concrete to collect. The sand placed over the vapor membrane may also move during placement, resulting in an irregular slab thickness. When placing concrete directly on an impervious membrane, it should be noted that finishing delays may occur. Care should be taken to assure that a low water to cement ratio is used, and that the concrete is moist cured in accordance with ACI guidelines.

6.5.2 Exterior Slabs

Exterior slabs should be at least 4 inches thick. Crack control joints should be placed on a maximum spacing of 10-foot centers, each way. The potential for differential movements across the control joints may be reduced by using steel reinforcement. Typical reinforcement for exterior slabs would consist of 6x6 W2.9/W2.9 welded wire fabric placed securely at mid-height of the slab.

6.5.3 Expansive Soils

Based on the conditions in Boring B-1, we anticipate that the proposed excavations will generate clayey sand (SC) with a considerable amount of gravel. Laboratory tests indicate that these soils have a low expansion potential based on common criteria (EI<50). However, more expansive clays may also be encountered during construction, and may require mitigation measures on a case-by-case basis. The Expansion Index (EI) test results are shown in Figure B-2 in Appendix B.

6.5.4 Reactive Soils

In order to assess the sulfate exposure of concrete in contact with the site soils, a sample was tested for water-soluble sulfate content, as shown in Figure B-3. The test results indicate that the on-site soils have a *negligible* potential for sulfate attack based on commonly accepted criteria. The sulfate content of the finish grade soils should be determined during fine grading.

In order to assess the reactivity of the site soils with buried metals, the pH, resistivity and chloride contents were also determined (see Figure B-3). These tests suggest that the on-site soils are *severely corrosive* to buried metals, in large part due to a high chloride content. Typical corrosion control measures should be incorporated into design, such as providing minimum clearances between reinforcing steel and soil, or sacrificial anodes for buried metal structures. A corrosion consultant may be contacted for specific corrosion control recommendations.

6.6 Earth-Retaining Structures

Backfilling retaining walls with expansive soil can increase lateral pressures well beyond normal active or at-rest pressures. We recommend that new retaining walls be backfilled with soil that has an Expansion Index of 20 or less. The surficial on-site soil does not meet this criterion. Retaining wall backfill should be compacted to at least 90 percent relative compaction based on ASTM D1557. Backfill should not be placed until the retaining walls have achieved adequate strength. Heavy compaction equipment, which could cause distress to the walls, should not be used. For general wall design, an allowable bearing capacity of 2,000 lbs/ft^2, a coefficient of friction of 0.30, and a passive pressure of 300 psf per foot of depth is recommended.

6.6.1 Cantilever Walls

Cantilever retaining walls with level granular backfill (EI<20) may be designed using an active earth pressure approximated by an equivalent fluid pressure of 35 lbs/ft^3. The active pressure should be used for walls free to yield at the top at least ½ percent of the wall height. Any walls that are restrained so that such movement is not permitted should be designed for an at-rest earth pressure of 60 lbs/ft^3 (assuming level backfill). These pressures do not include seepage forces or surcharges. Surcharges within a 1:1 plane extending back and up from the base of the wall should be accounted for in the wall design. All retaining walls should contain adequate backdrains to relieve hydrostatic pressures. Typical wall drain details are shown in Figure 6A.

6.6.2 Seismic Wall Design

Per Section 1803.5.12 of the 2013 California Building Code (CBC), seismic design is required for all earth retaining structures over 6 feet in height. If a seismic wall design is conducted, we recommend using the Mononabe-Okabe solution which incorporates a pseudo-static horizontal load. According to the provisions of the 2016 CBC, the design level peak ground acceleration (PGA) may be taken as 40 percent of the site specific short period spectral ordinate (S_{DS} ~ 0.665) as shown in Table 1. One-half of the estimated peak ground acceleration is typically used for pseudo-static seismic wall design. We have provided seismic wall design parameters for a pseudo-static load of 0.28g in Figure 6B. The seismic load increment may be idealized as an inverted triangular pressure distribution with the resultant acting at a height of 0.6H above the base of the wall.

Note that the Mononabe-Okabe solution is based on the active earth pressure of 35 lb/ft^3, and requires that the retaining walls are free to yield. For restrained walls, we have recommended that static wall design be based on the at-rest earth pressure, which we have approximated by a fluid with an equivalent unit weight of 60 lb/ft^3 (assuming level backfill). We recommend that the equivalent seismic pressure increment shown in Figure 6B (γ_e ~26 PCF) be added to the at-rest earth pressure for seismic design of any restrained retaining walls at the site which are not free to yield at least ½ percent of the wall height.

6.7 Preliminary Pavement Design

Alternatives are provided for new asphalt concrete and Portland cement concrete pavements. In both cases, the upper 12 inches of pavement subgrade be scarified immediately prior to constructing the pavements, brought to optimum moisture, and compacted to at least 95 percent of the maximum dry density per ASTM D1557. All aggregate base should also be compacted to 95 percent of the maximum dry density. Aggregate base should conform to the Standard Specifications for Public Works Construction (*SSPWC),* Section 200-2. Asphalt concrete should conform to Section 400-4 of the *SSPWC* and should be compacted to at least 95 percent relative compaction based on the Hveem unit weight, or alternatively to between 91 and 97 percent relative compaction based on the Maximum Theoretical (Rice) unit weight.

6.7.1 Asphalt Concrete

Asphalt concrete pavement design was conducted in general accordance with the Caltrans Design Method (Topic 608.4). R-Value tests were conducted on a sample of the subgrade soil collected during the investigation in general accordance with CTM 301. The test results are presented in Figure B-7.1 and B-7.2 in Appendix B. The tests indicated a subgrade R-Value of 6, which is considered to be very poor subgrade support. The actual pavement section design may vary based on the actual subgrade R-Values determined during grading in the new pavement subgrade areas.

Traffic Indices (TI) of between 7.5 and 9.5 were assumed for preliminary design purposes. The associated Equivalent Single Axle Loads (ESAL) and Allowable Daily Truck Traffic (ADTT) are also shown in the table below for reference. A 20-year pavement design life was assumed. The project civil engineer should review the assumed TI, ESAL and ADTT to determine which pavement section would apply to the new improvements. Additional pavement section recommendations may be provided upon request.

TRAFFIC INDEX	EQUIVALENT SINGLE AXLE LOADS (ESAL)	ALLOWABLE DAILY TRUCK TRAFFIC (ADTT)	ASPHALT SECTION	BASE SECTION
7.5	216,080	30 Trucks/Day	4 Inches	18 Inches
8.0	371,660	50 Trucks/Day	5 Inches	18 Inches
8.5	618,580	85 Trucks/Day	5 Inches	20 Inches
9.0	1,000,000	137 Trucks/Day	6 Inches	20 Inches
9.5	1,575,140	215 Trucks/Day	6 Inches	22 Inches

6.7.2 Portland Cement Concrete

Concrete pavement design was also conducted in general accordance with the simplified design procedure of the Portland Cement Association. This methodology is also based on a 20-year design life. For design, it was assumed that the concrete pavements would be reinforced, and that the steel would provide positive load transfer across the control joints. The subgrade materials were assumed to provide "low" support based on the R-Value tests. Based on the assumptions described above, and using the same traffic indices presented previously, we recommend that the PCC pavement sections at the site consist of at least 6½ inches of concrete placed over 6 inches of compacted aggregate base. For heavier traffic volumes (Traffic Index of 8.5 to 9.5), 7 inches of concrete over 6 inches of aggregate base is recommended. For the new concrete slab beneath the cement stockpiles, 7 inches of concrete may be placed directly over the existing asphalt concrete.

Crack control joints should be constructed for PCC pavements on a maximum spacing of 10 feet. Concrete pavements for the truck lane in Option A should be reinforced using number 4 bars on 18-inch centers, each way. Note that crack control joints may be omitted if the slab is post-tensioned.

6.8 Pipelines

We anticipate that the development may include a variety of new pipelines or subsurface utilities located outside of the structure such as new water, electrical or communication systems. Geotechnical aspects of pipeline design include lateral earth pressures for thrust blocks, modulus of soil reaction, and pipe bedding. Each of these parameters is discussed separately below.

6.8.1 Thrust Blocks

Lateral resistance for thrust blocks may be determined by a passive pressure value of 300 lbs/ft^2 per foot of embedment, assuming a triangular distribution.

6.8.2 Modulus of Soil Reaction

The modulus of soil reaction (E') is used to characterize the stiffness of soil backfill placed along the sides of buried flexible pipelines. For the purpose of evaluating deflection due to the load associated with trench backfill over the pipe, a value of 2,000 lbs/in^2 is recommended for the general conditions, assuming granular bedding material is placed around the pipe.

6.8.3 Pipe Bedding

Typical pipe bedding as specified in the *Standard Specifications for Public Works Construction* may be used. As a minimum, we recommend that pipes be supported on at least 4 inches of granular bedding material such as minus ¾-inch crushed rock or disintegrated granite. Where pipeline or trench excavations exceed a 15 percent gradient, we do not recommend that open graded rock be used for bedding or backfill because of the potential for piping and internal erosion. For sloping utilities, we recommend that coarse sand or sand-cement slurry be used for the bedding and pipe zone. The slurry should consist of a 2-sack mix having a slump no greater than 5 inches.

6.9 Additional Field Work and Laboratory Testing

Additional field investigation and laboratory testing should be conducted for final design, once the location of the cement load out structures is finalized, and the nature of the feed pipe crossing at the access road is determined. The field work should include the drilling of one additional boring and one CPT sounding at the location of the load out structure if Option B is chosen (Option A has already been investigated). In addition, several explorations should be conducted at the location of the feed pipe crossing. If underground piping is used (Option 1), two shallow borings should be conducted, one on either end of the crossing. If an overhead pipe bridge will be used (Option 2), one additional boring and two CPT soundings should be conducted at the three proposed bridge support locations. The borings should extend to a minimum depth of 20 feet, or at least 20 feet below the anticipated pile tip levels. All of the CPT soundings should be advanced to refusal. Additional environmental and geotechnical laboratory testing should be conducted on samples collected from the borings, as needed. The results of the supplemental field investigation and laboratory tests should be presented in an updated Geotechnical Investigation Report.

7.0 LIMITATIONS

This report was prepared using the degree of care and skill ordinarily exercised, under similar circumstances, by reputable geotechnical consultants practicing in similar localities. No warranty, express or implied, is made as to the conclusions and professional opinions included in this report.

The findings of this report are valid as of the present date. However, changes in the condition of a property can occur with the passage of time, whether due to natural processes or the work of man on this or adjacent properties. In addition, changes in applicable or appropriate standards of practice may occur from legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control. Therefore, this report is subject to review and should not be relied upon after a period of three years.

8.0 REFERENCES

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TABLE 1 - 2016 CBC ACCELERATION RESPONSE SPECTRA (GENERAL PROCEDURE)

INPUT	S_S=	1.245	g = short period (0.2 sec) mapped spectral response acceleration MCE Site Class B (**CBC 2010 Fig. 1613.5(3) or USGS Ground Motion Calculator**)	**Site Latitude:**	32.6991
	S_1=	0.480	g = 1.0 sec period mapped spectral response acceleration MCE Site Class B (**CBC 2010 Fig. 1613.5(4) or USGS Ground Motion Calculator**)	**Site Longitude:**	-117.1558
	Site Class=	D	= Site Class definition based on **CBC 2010 Table 1613.5.2**	**Seismic Design Category:**	D
	F_a=	1.002	= Site Coefficient applied to S_s to account for soil type (**CBC 2010 Table 1613.5.3(1)**)	**PGA_M:**	0.559
	F_v=	1.520	= Site Coefficient applied to S_1 to account for soil type (**CBC 2010 Table 1613.5.3(2)**)	**C_{RS}:**	0.842
	T_L=	8.00	sec = Long Period Transition Period (**ASCE 7-05 Figure 22-16**)	**C_{R1}:**	0.867
OUTPUT	S_{MS}=	1.248	= site class modified short period (0.2 sec) MCE spectral response acceleration = F_a x S_s (**CBC 2010 Eqn. 16-36**)		
	S_{M1}=	0.730	= site class modified 1.0 sec period MCE spectral response acceleration = F_v x S_1 (**CBC 2010 Eqn. 16-37**)		
	S_{DS}=	0.832	= site class modified short period (0.2 sec) Design spectral response acceleration = 2/3 x S_{MS} (**CBC 2007 Eqn. 16-38**)		
	S_{D1}=	0.486	= site class modified 1.0 sec period Design spectral response acceleration = 2/3 x S_{M1} (**CBC 2007 Eqn. 16-39**)		
	T_0=	0.117	sec = 0.2 S_{D1}/S_{DS} = Control Period (left end of peak) for ARS Curve (Section 11.4.5 ASCE 7-05)		
	T_S=	0.585	sec = S_{D1}/S_{DS} = Control Period (right end of peak) for ARS Curve (Section 11.4.5 ASCE 7-05)		

SPECTRUM CALCULATION

T (seconds)	Design Sa (g)	MCE Sa (g)
0.000	0.333	0.499
0.117	0.832	1.248
0.585	0.832	1.248
0.600	0.811	1.216
0.700	0.695	1.042
0.800	0.608	0.912
0.900	0.540	0.811
1.000	0.486	0.730
1.100	0.442	0.663
1.200	0.405	0.608
1.300	0.374	0.561
1.400	0.347	0.521
1.500	0.324	0.486
1.600	0.304	0.456
1.700	0.286	0.429
1.800	0.270	0.405
1.900	0.256	0.384
2.000	0.243	0.365
2.100	0.232	0.347
2.200	0.221	0.332
2.300	0.211	0.317
2.400	0.203	0.304
2.500	0.195	0.292
2.600	0.187	0.281
2.700	0.180	0.270
2.800	0.174	0.261
2.900	0.168	0.252
3.000	0.162	0.243
3.100	0.157	0.235
3.200	0.152	0.228
3.300	0.147	0.221
3.400	0.143	0.215
3.500	0.139	0.208
3.600	0.135	0.203
3.700	0.131	0.197
3.800	0.128	0.192
3.900	0.125	0.187
4.000	0.122	0.182
5.000	0.097	0.146

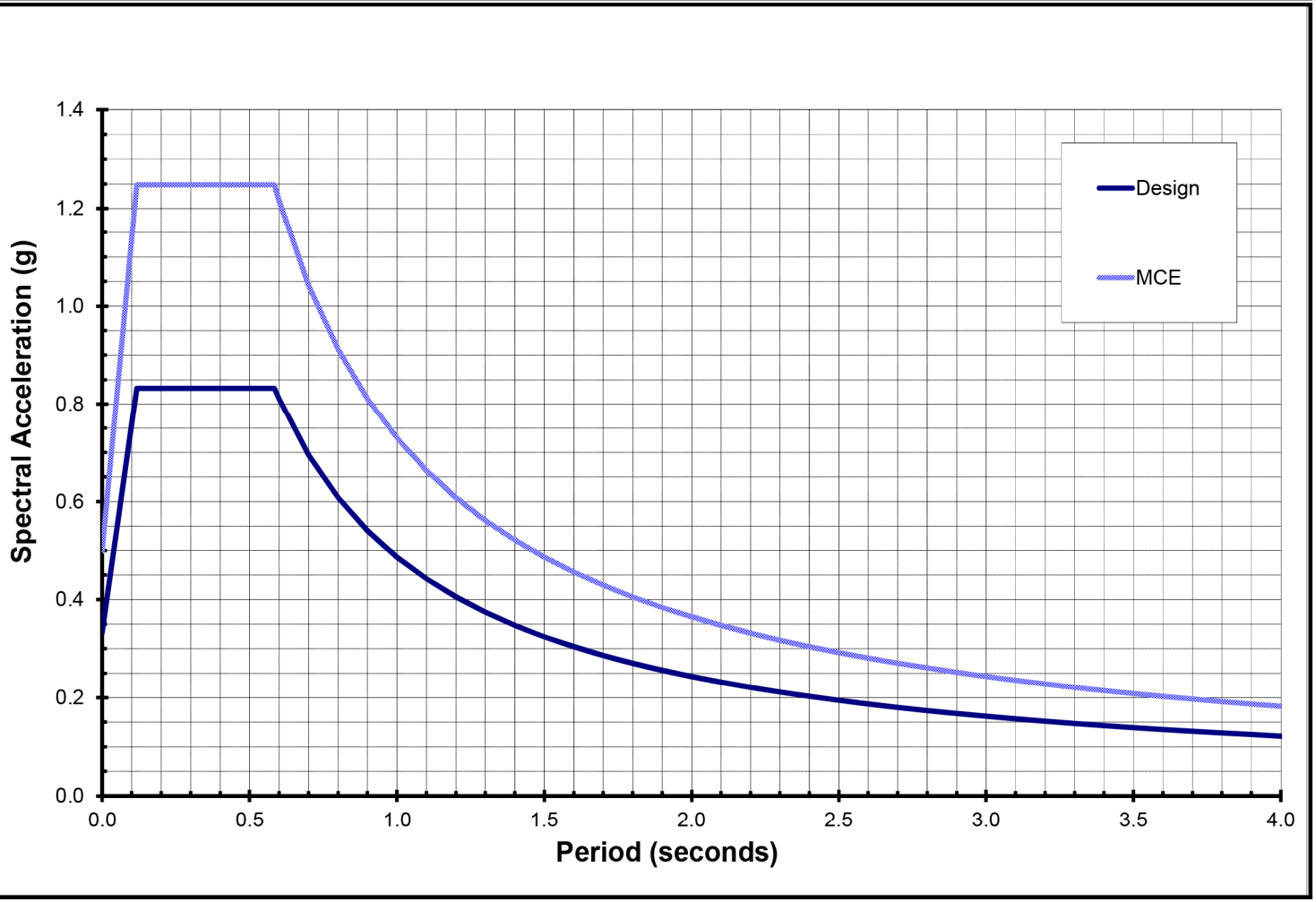
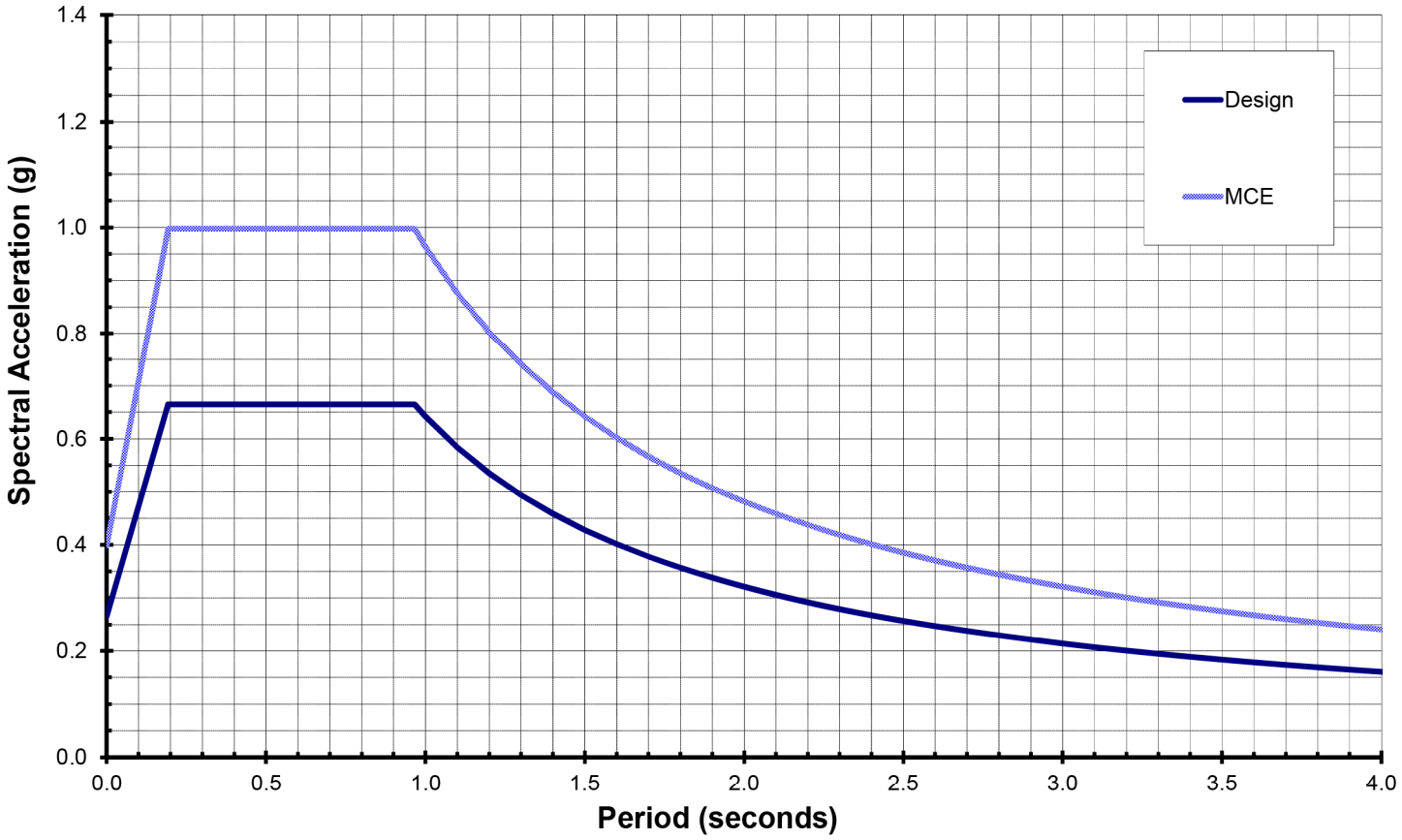


TABLE 2 - 2016 CBC ACCELERATION RESPONSE SPECTRA (SITE SPECIFIC)

INPUT	S_S=	1.245	g = short period (0.2 sec) mapped spectral response acceleration MCE Site Class B (**CBC 2010 Fig. 1613.5(3) or USGS Ground Motion Calculator**)	**Site Latitude:**	32.6991
	S_1=	0.480	g = 1.0 sec period mapped spectral response acceleration MCE Site Class B (**CBC 2010 Fig. 1613.5(4) or USGS Ground Motion Calculator)**	**Site Longitude:**	-117.1558
	Site Class=	D	= Site Class definition based on **CBC 2010 Table 1613.5.2**	**Seismic Design Category:**	D
	F_a=	1.002	= Site Coefficient applied to S_s to account for soil type (**CBC 2010 Table 1613.5.3(1)**)	**PGA_M:**	0.559
	F_v=	1.520	= Site Coefficient applied to S_1 to account for soil type (**CBC 2010 Table 1613.5.3(2)**)	**C_{RS}:**	0.842
	T_L=	8.00	sec = Long Period Transition Period (**ASCE 7-05 Figure 22-16**)	**C_{R1}:**	0.867
OUTPUT	S_{MS}=	0.998	= site class modified short period (0.2 sec) MCE spectral response acceleration = F_a x S_s (**CBC 2010 Eqn. 16-36**)		
	S_{M1}=	0.963	= site class modified 1.0 sec period MCE spectral response acceleration = F_v x S_1 (**CBC 2010 Eqn. 16-37**)		
	S_{DS}=	0.665	= site class modified short period (0.2 sec) Design spectral response acceleration = 2/3 x S_{MS} (**CBC 2007 Eqn. 16-38**)		
	S_{D1}=	0.642	= site class modified 1.0 sec period Design spectral response acceleration = 2/3 x S_{M1} (**CBC 2007 Eqn. 16-39**)		
	T_0=	0.193	sec = 0.2 S_{D1}/S_{DS} = Control Period (left end of peak) for ARS Curve (Section 11.4.5 ASCE 7-05)		
	T_S=	0.965	sec = S_{D1}/S_{DS} = Control Period (right end of peak) for ARS Curve (Section 11.4.5 ASCE 7-05)		

SPECTRUM CALCULATION

T (seconds)	Design Sa (g)	MCE Sa (g)
0.000	0.266	0.399
0.193	0.665	0.998
0.965	0.665	0.998
1.000	0.642	0.963
1.100	0.584	0.875
1.200	0.535	0.803
1.300	0.494	0.741
1.400	0.459	0.688
1.500	0.428	0.642
1.600	0.401	0.602
1.700	0.378	0.566
1.800	0.357	0.535
1.900	0.338	0.507
2.000	0.321	0.482
2.100	0.306	0.459
2.200	0.292	0.438
2.300	0.279	0.419
2.400	0.268	0.401
2.500	0.257	0.385
2.600	0.247	0.370
2.700	0.238	0.357
2.800	0.229	0.344
2.900	0.221	0.332
3.000	0.214	0.321
3.100	0.207	0.311
3.200	0.201	0.301
3.300	0.195	0.292
3.400	0.189	0.283
3.500	0.183	0.275
3.600	0.178	0.268
3.700	0.174	0.260
3.800	0.169	0.253
3.900	0.165	0.247
4.000	0.161	0.241
4.100	0.157	0.235
4.200	0.153	0.229
4.300	0.149	0.224
4.400	0.146	0.219
5.000	0.128	0.193



FIGURES

NO SCALE

GROUP DELTA

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ENGINEERS AND GEOLOGISTS
9245 ACTIVITY ROAD. SUITE 103
SAN DIEGO, CA 92126 (858) 536-1000

PROJECT NUMBER
SD458

DOCUMENT NUMBER
16-0033

PROJECT NAME
10th Avenue Terminal, Building C
Mitsubishi Cement Corporation

FIGURE NUMBER
1

SITE LOCATION MAP

NO SCALE

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PROJECT NAME
10th Avenue Terminal, Building C
Mitsubishi Cement Corporation

PROJECT NUMBER
SD458

DOCUMENT NUMBER
16-0033

FIGURE NUMBER
1A

SITE LOCATION (OPTION A)

N

NO SCALE

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PROJECT NAME
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Mitsubishi Cement Corporation

PROJECT NUMBER
SD458

DOCUMENT NUMBER
16-0033

FIGURE NUMBER
1B

SITE LOCATION (OPTION B)

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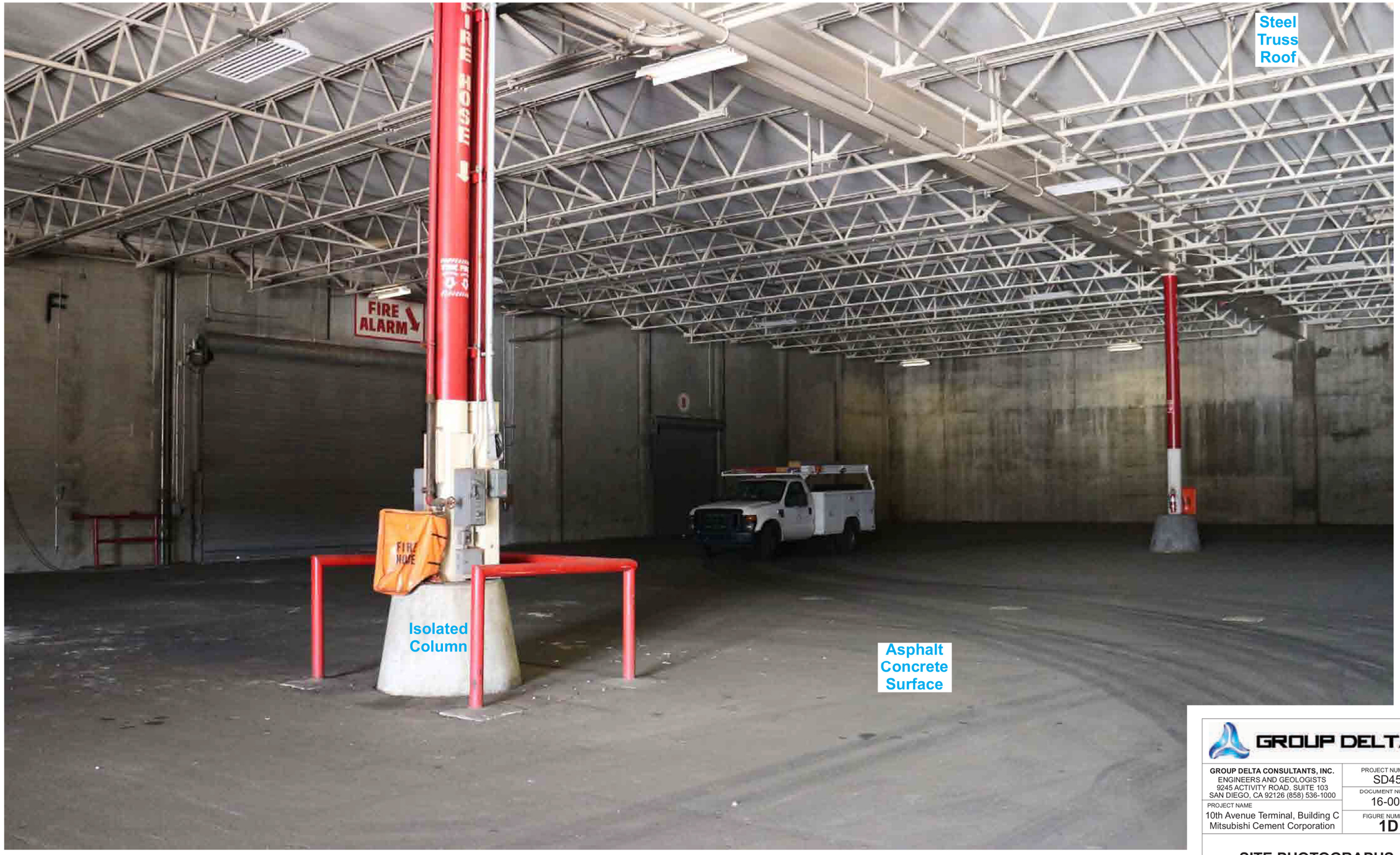
PROJECT NUMBER
SD458

DOCUMENT NUMBER
16-0033

PROJECT NAME
10th Avenue Terminal, Building C
Mitsubishi Cement Corporation

FIGURE NUMBER
1C

SITE PHOTOGRAPHS



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PROJECT NUMBER
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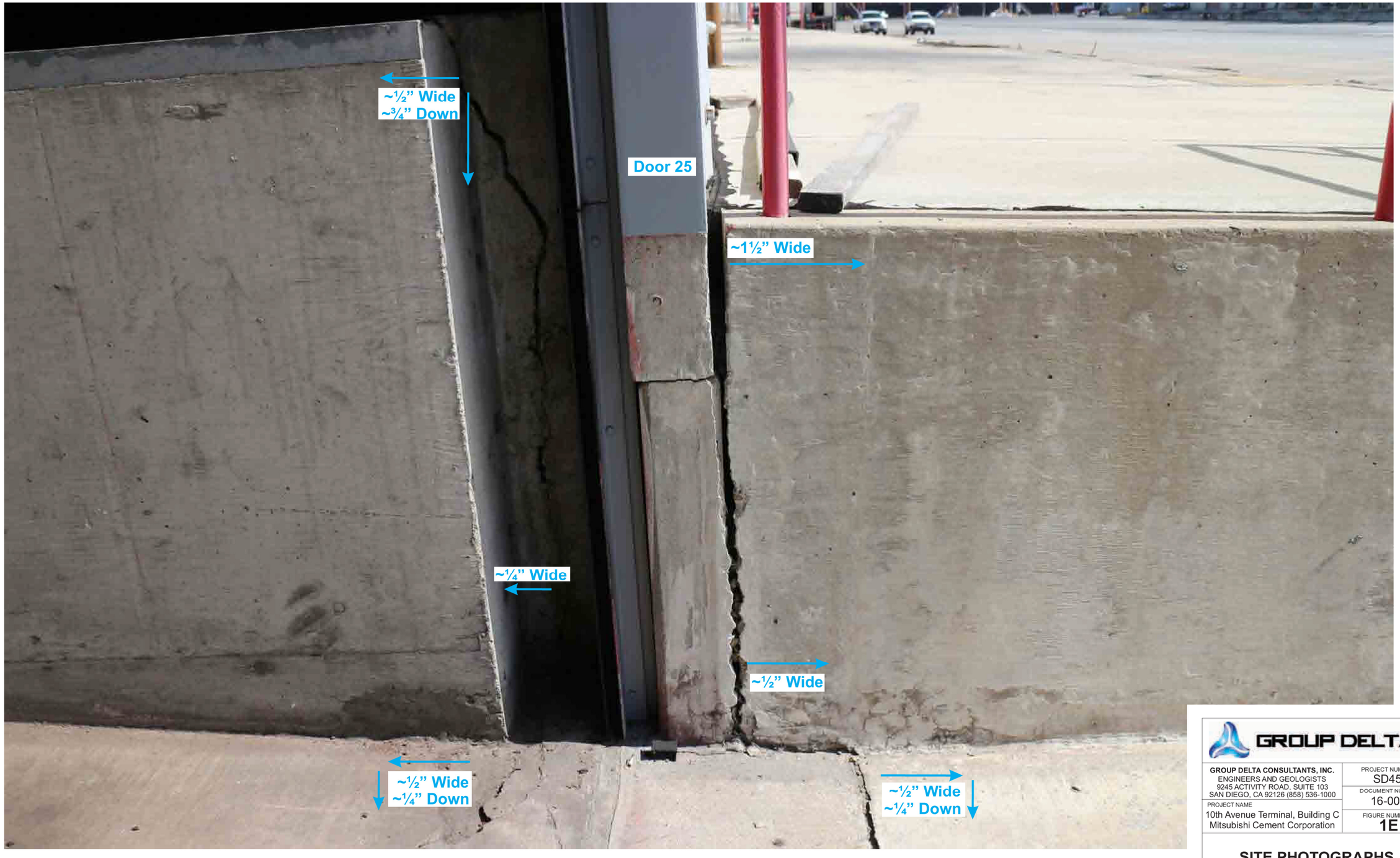
DOCUMENT NUMBER
16-0033

PROJECT NAME
10th Avenue Terminal, Building C
Mitsubishi Cement Corporation

FIGURE NUMBER
1D

SITE PHOTOGRAPHS



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PROJECT NAME
10th Avenue Terminal, Building C
Mitsubishi Cement Corporation

PROJECT NUMBER
SD458

DOCUMENT NUMBER
16-0033

FIGURE NUMBER
1E

SITE PHOTOGRAPHS

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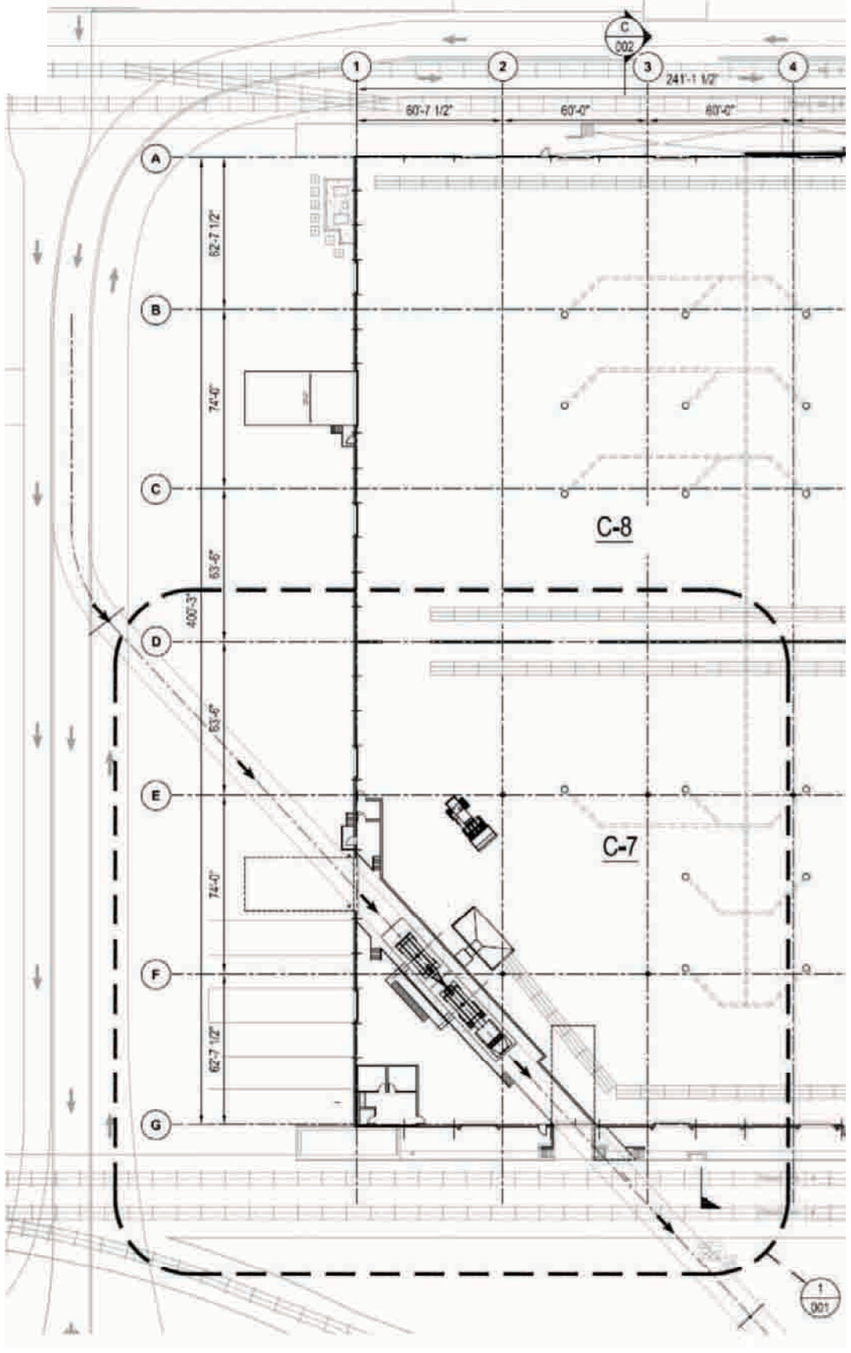
PROJECT NAME
10th Avenue Terminal, Building C
Mitsubishi Cement Corporation

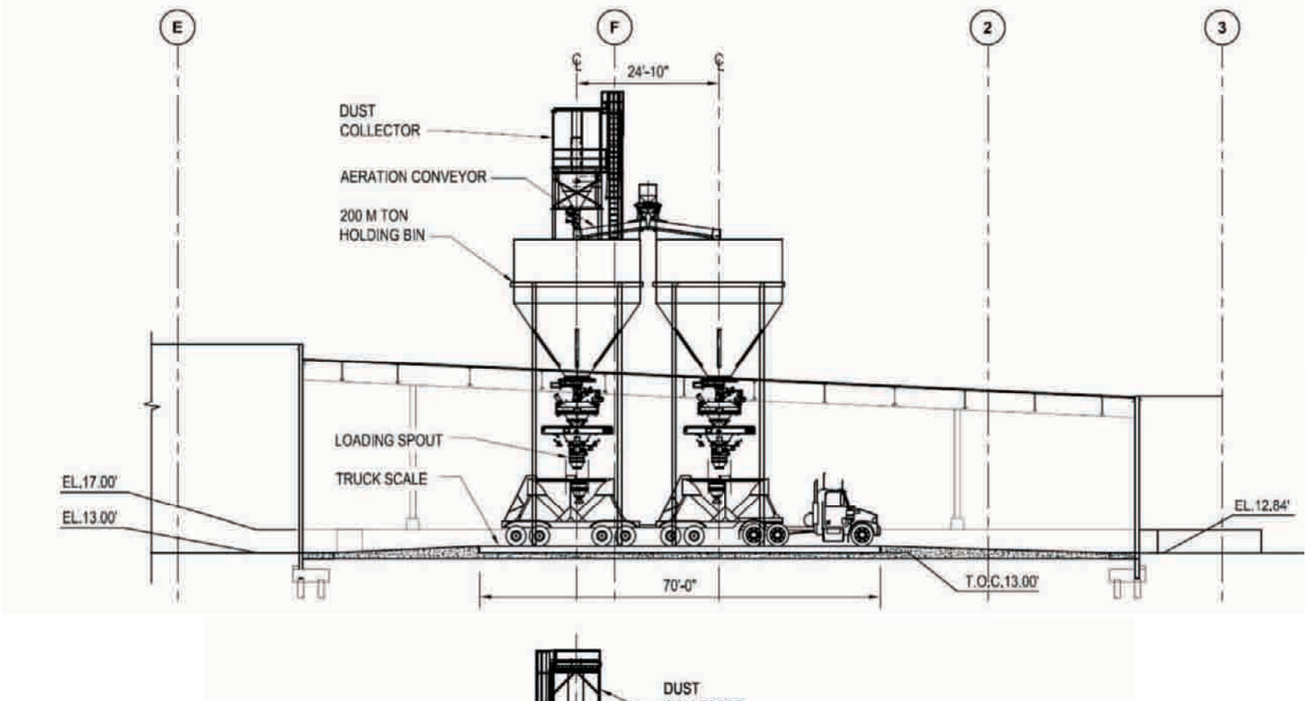
PROJECT NUMBER
SD458

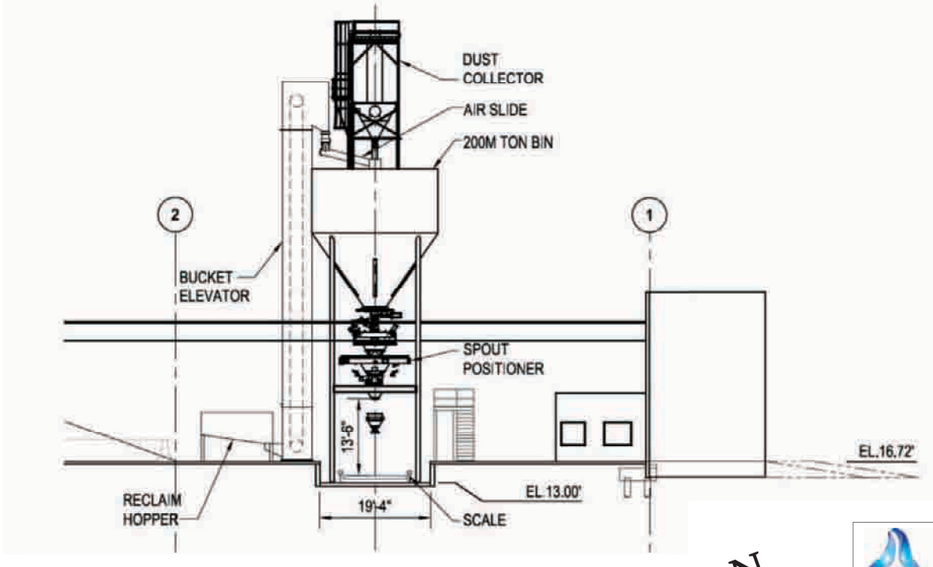
DOCUMENT NUMBER
16-0033

FIGURE NUMBER
1F

SITE PHOTOGRAPHS







REFERENCE: Mitsubishi Cement Corporation (2015). *San Diego Terminal Cement Unloading Facility - C7, General Arrangement Plan View*, 000-GA-002, August 31.

N

NO SCALE

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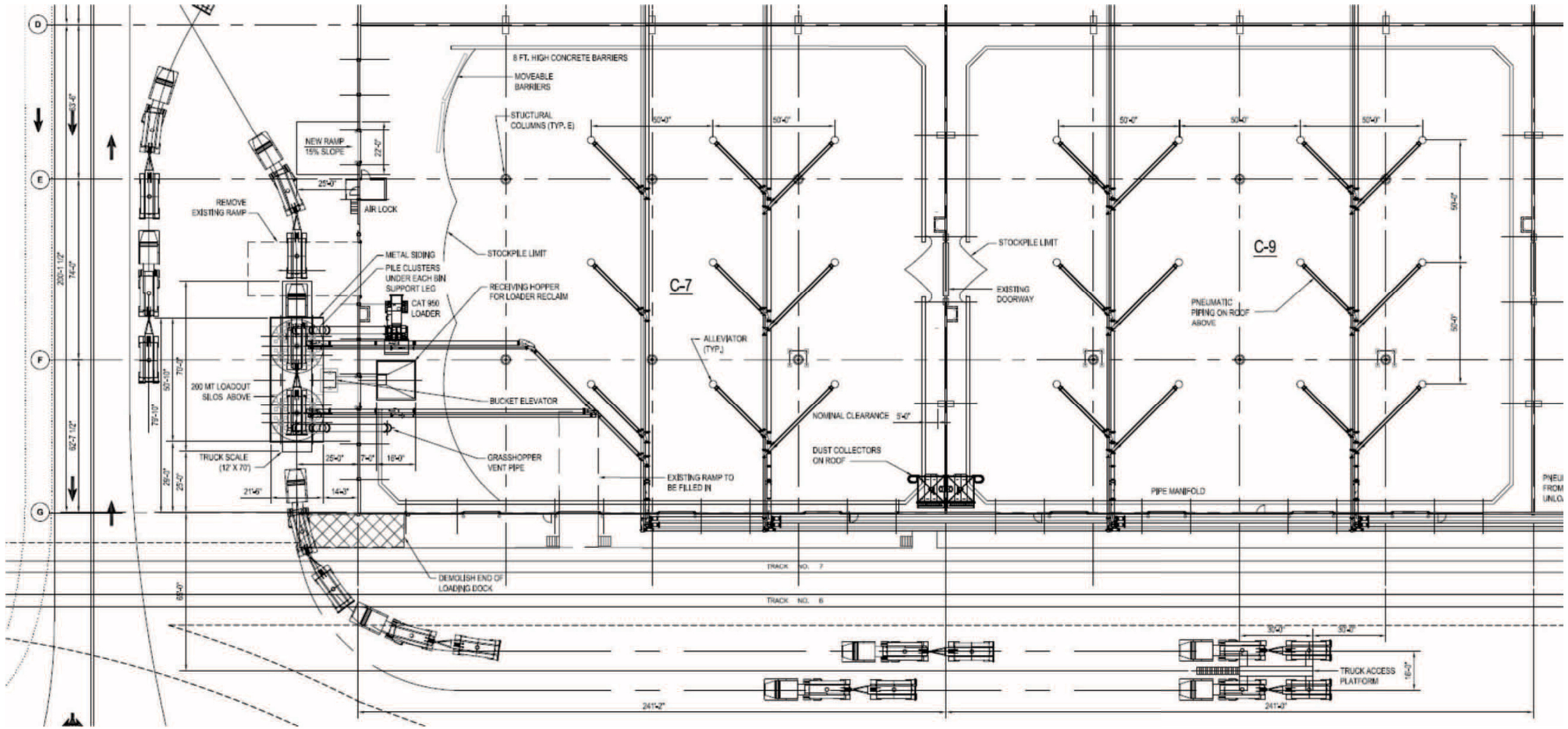
PROJECT NUMBER
SD458

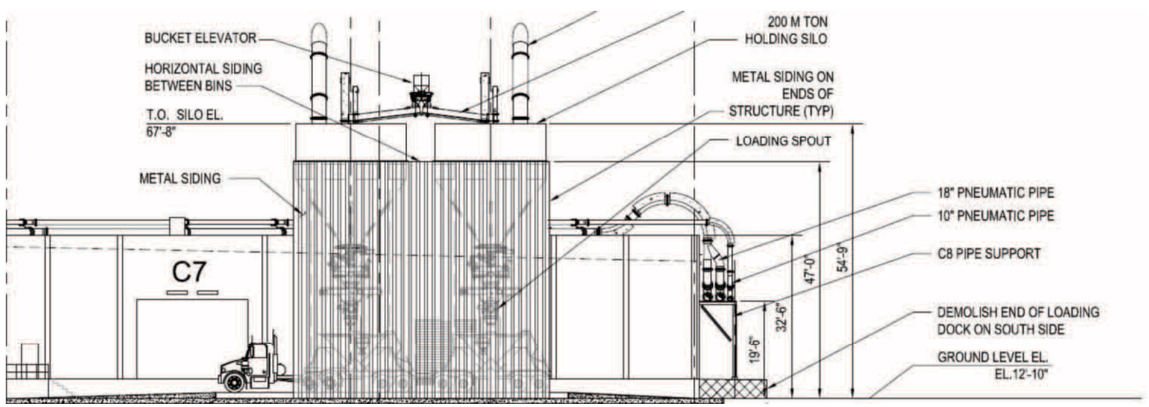
DOCUMENT NUMBER
16-0033

PROJECT NAME
10th Avenue Terminal, Building C
Mitsubishi Cement Corporation

FIGURE NUMBER
2A

DEVELOPMENT (OPTION A)





REFERENCE: Mitsubishi Cement Corporation (2017). *San Diego Terminal Cement Unloading Facility, General Arrangement, Plan View Stage 1 C7 & C9*, 000-GA-012, January 30.

NO SCALE

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PROJECT NUMBER SD458

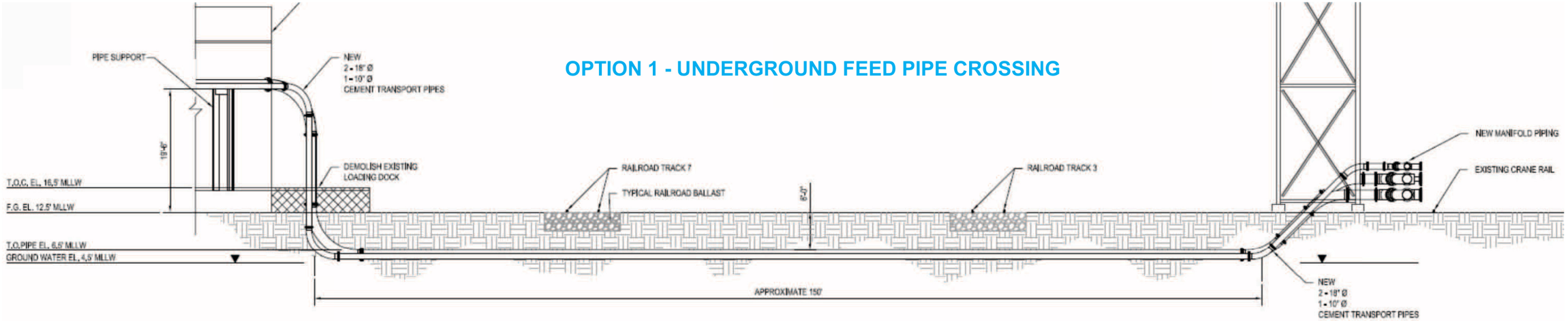
DOCUMENT NUMBER 16-0033

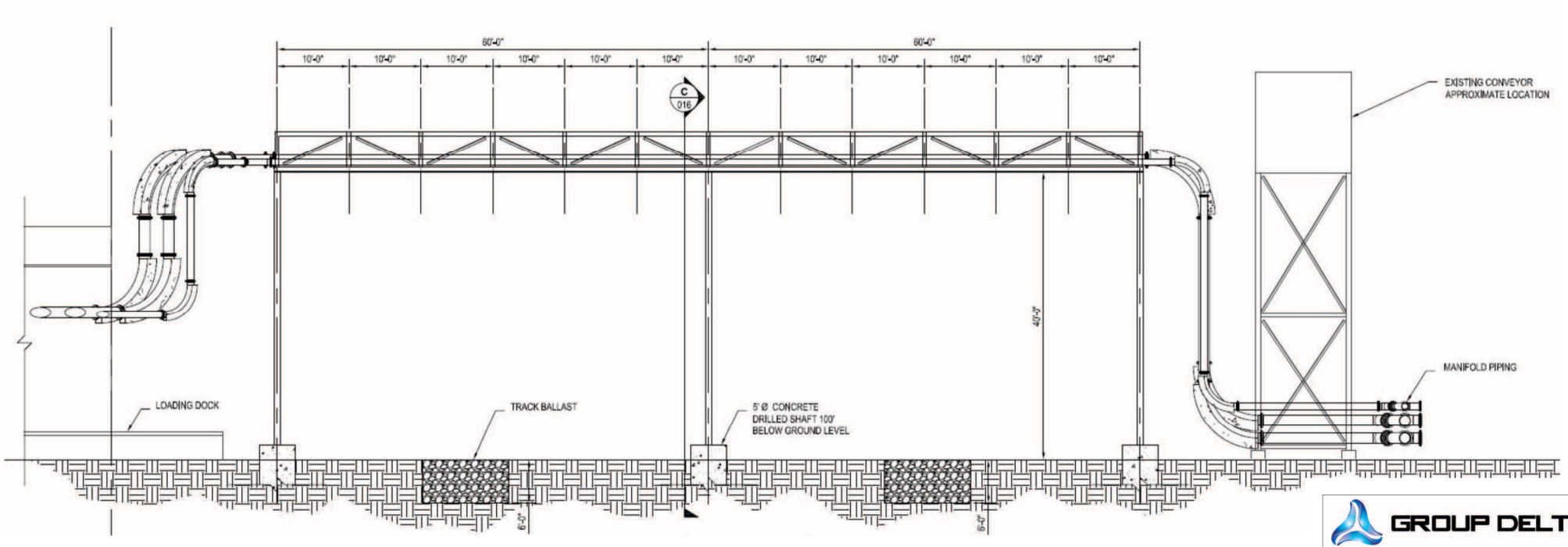
PROJECT NAME
10th Avenue Terminal, Building C
Mitsubishi Cement Corporation

FIGURE NUMBER **2B**

DEVELOPMENT (OPTION B)

OPTION 1 - UNDERGROUND FEED PIPE CROSSING





OPTION 2 - OVERHEAD FEED PIPE BRIDGE

REFERENCE: Mitsubishi Cement Corporation (2017). *San Diego Terminal Cement Unloading Facility, General Arrangement,* Drawing Nos. 000-GA-016 and 017, January 30.

NO SCALE

GROUP DELTA

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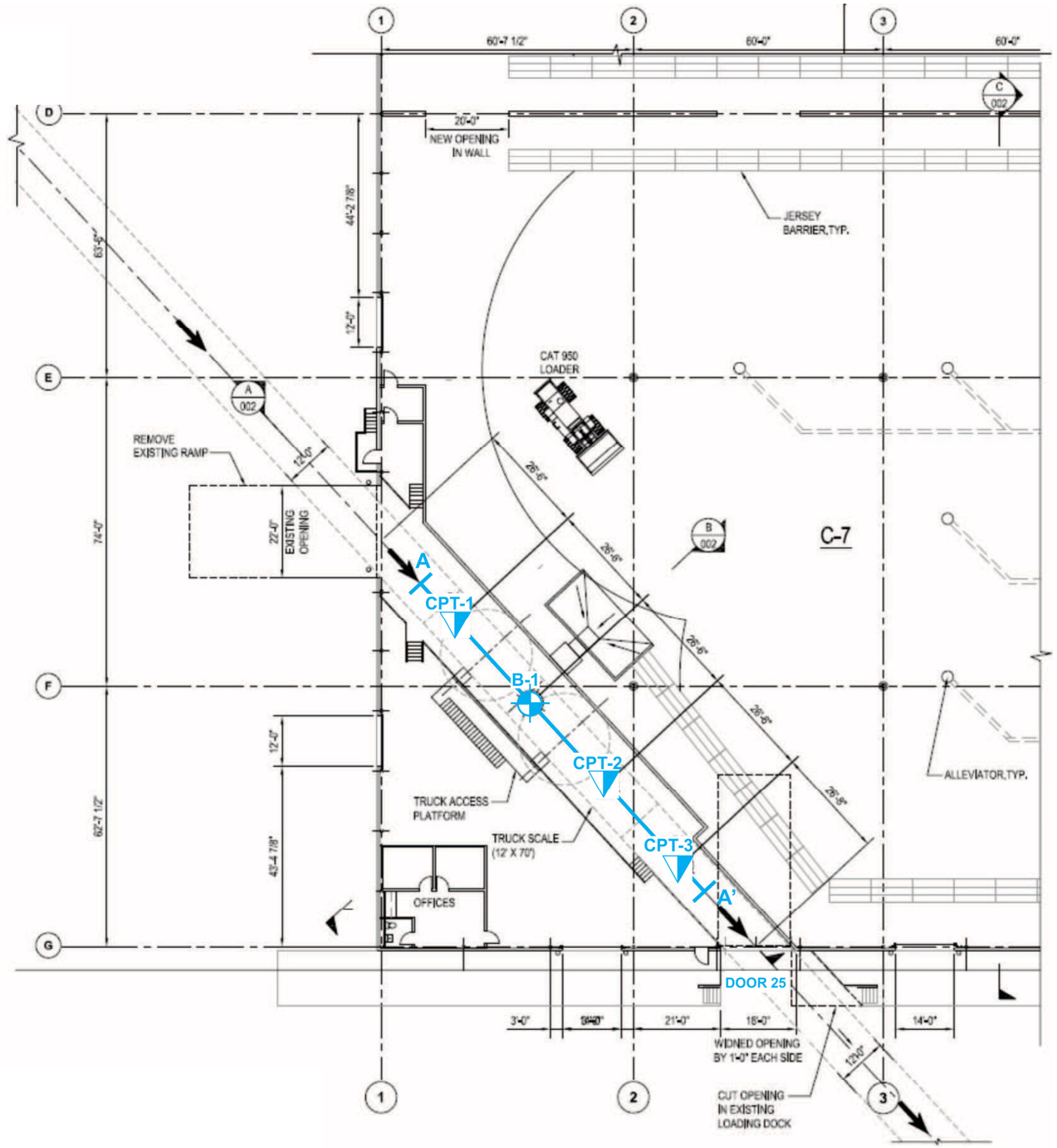
PROJECT NUMBER
SD458

DOCUMENT NUMBER
16-0033

PROJECT NAME
10th Avenue Terminal, Building C
Mitsubishi Cement Corporation

FIGURE NUMBER
2C

FEED PIPE CROSSING



EXPLANATION:

CPT-3 — Approximate locations of the 3 cone penetration test (CPT) soundings we conducted at the site (GDC, 2016).

B-1 — Approximate location of the one hollow stem auger boring we conducted within Warehouse C-7 (Group Delta, 2016).

Approximate location of geologic cross section (see Figure 3C).

REFERENCE: Mitsubishi Cement Corporation (2015). *San Diego Terminal Cement Unloading Facility - C7, General Arrangement Plan View*, SK00-GA-001.

N

NO SCALE

GROUP DELTA

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SAN DIEGO, CA 92126 (858) 536-1000

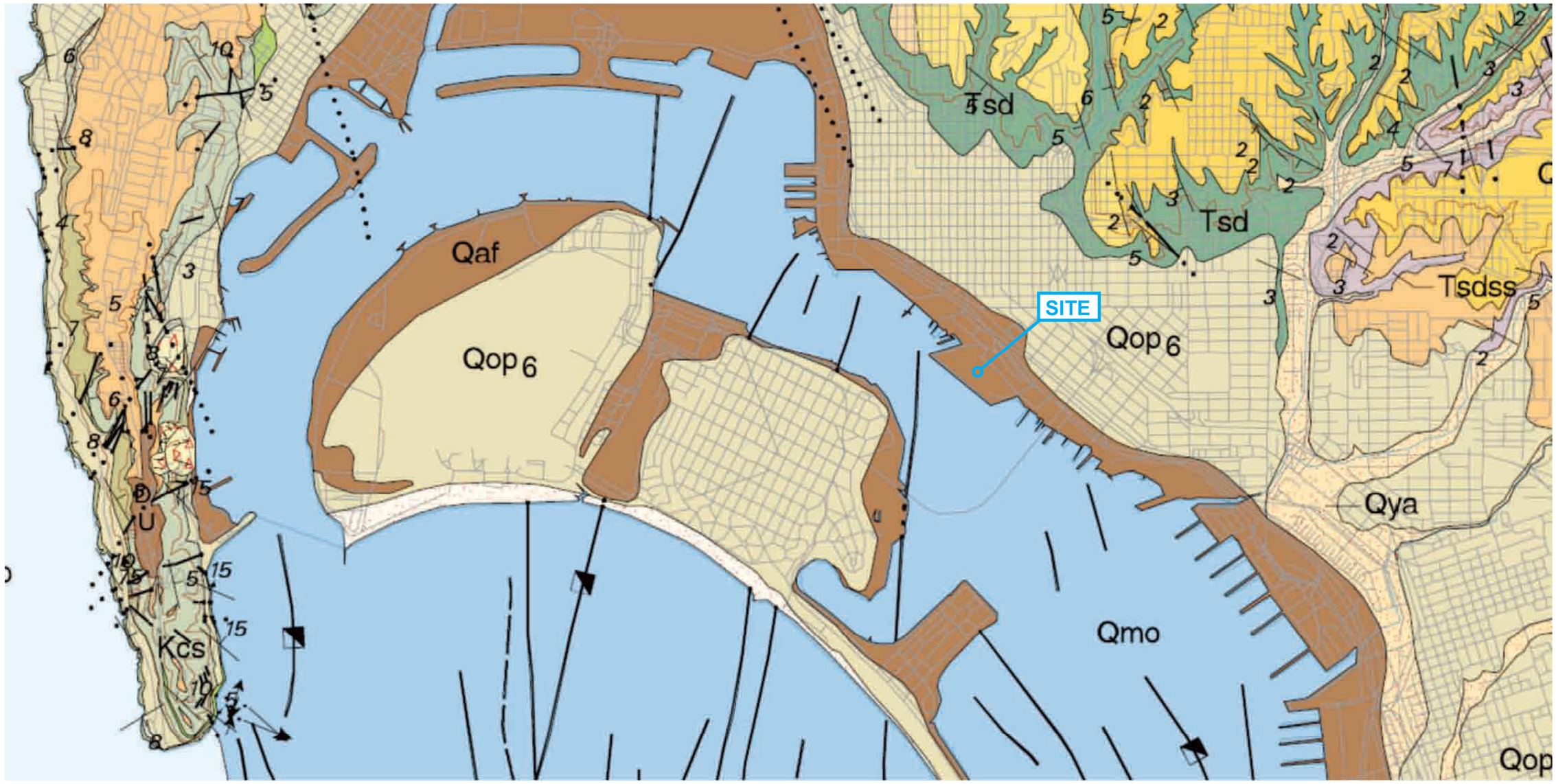
PROJECT NUMBER: SD458

DOCUMENT NUMBER: 16-0033

PROJECT NAME: 10th Avenue Terminal, Building C
Mitsubishi Cement Corporation

FIGURE NUMBER: 2D

EXPLORATION PLAN



EXPLANATION:

Qaf — **Artificial fill (late Holocene)**—Deposits of fill resulting from human construction, mining, or quarrying activities; includes compacted engineered and non compacted non engineered fill. Some large deposits are mapped, but in some areas no deposits are shown

Qop6 — **Old paralic deposits, Unit 6 (late to middle Pleistocene)**—Mostly poorly sorted, moderately permeable, reddish-brown, interfingered strandline, beach, estuarine and colluvial deposits composed of siltstone, sandstone and conglomerate.

REFERENCE: Kennedy et al. (2005). *Geologic Map of the San Diego 30'x60' Quadrangle, California*, California Geological Survey.

N

NO SCALE

GROUP DELTA

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9245 ACTIVITY ROAD, SUITE 103
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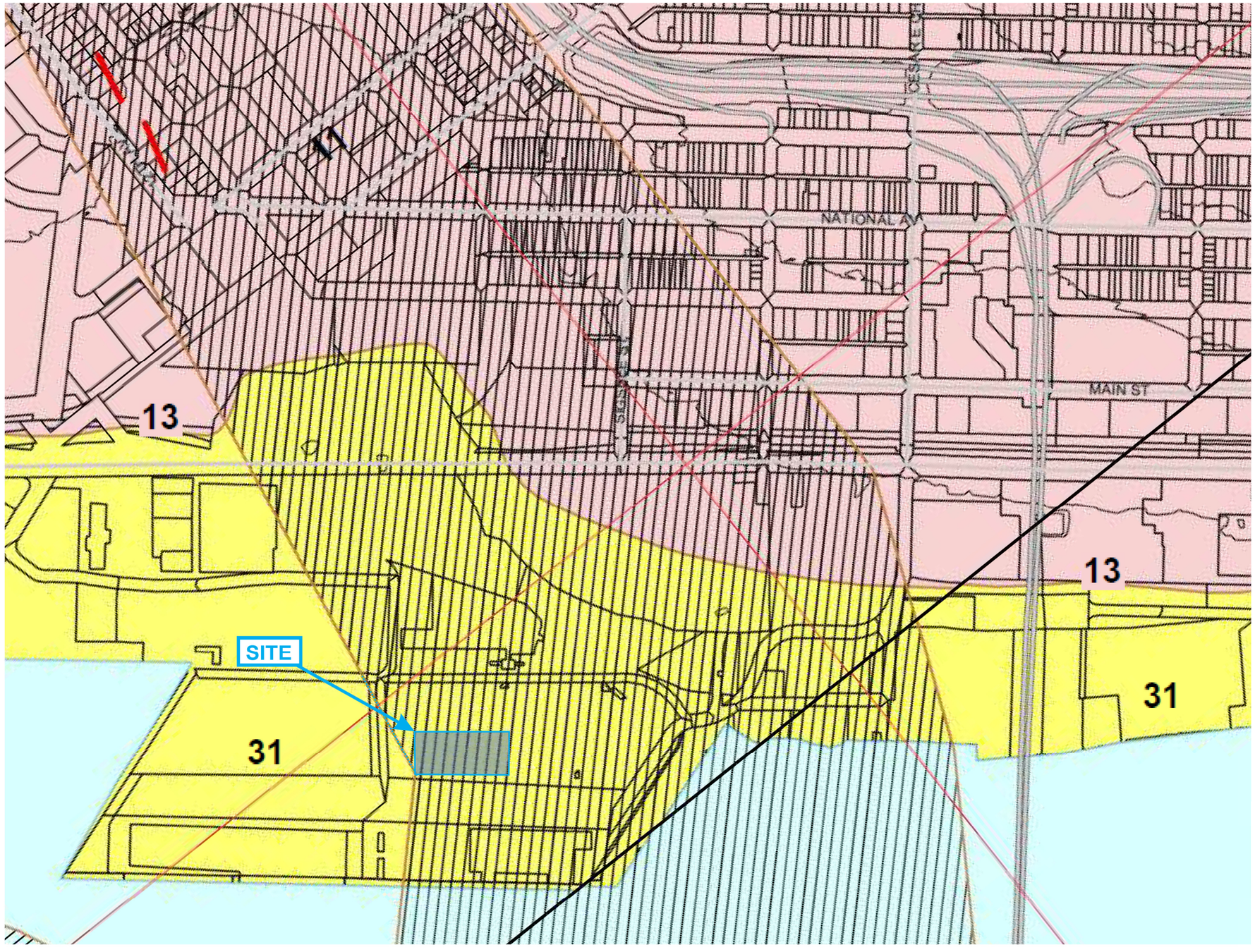
PROJECT NUMBER: SD458

DOCUMENT NUMBER: 16-0033

PROJECT NAME: 10th Avenue Terminal, Building C
Mitsubishi Cement Corporation

FIGURE NUMBER: **3A**

LOCAL GEOLOGIC MAP



LEGEND

Geologic Hazard Categories

FAULT ZONES

- 11 Active, Alquist-Priolo Earthquake Fault Zone
- 12 Potentially Active, Inactive, Presumed Inactive, or Activity Unknown
- 13 Downtown special fault zone

LIQUEFACTION

- 31 High Potential -- shallow groundwater major drainages, hydraulic fills
- 32 Low Potential -- fluctuating groundwater minor drainages

FAULTS

- Fault
- Inferred Fault
- Concealed Fault
- Shear Zone

N

NO SCALE

REFERENCE: City of San Diego (2008). *Seismic Safety Study, Geologic Hazards and Faults*, Grid Tiles 13 and 17, April 3.

GROUP DELTA

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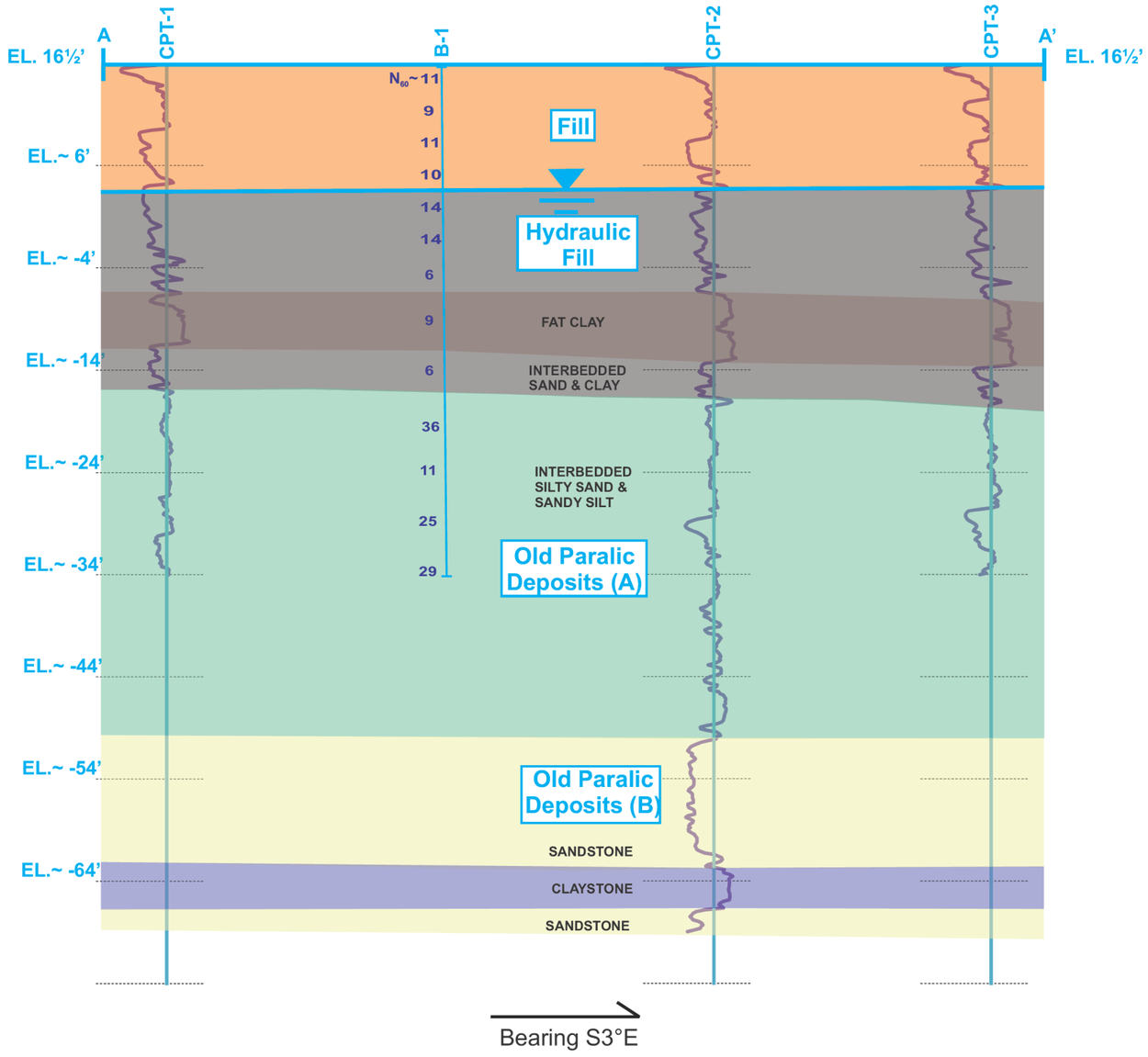
PROJECT NUMBER: SD458

DOCUMENT NUMBER: 16-0033

PROJECT NAME: 10th Avenue Terminal, Building C
Mitsubishi Cement Corporation

FIGURE NUMBER: **3B**

GEOLOGIC HAZARD MAP



EXPLANATION:

CPT-3 Approximate locations of the CPT soundings, with cone tip resistance (Qc) in purple (see Appendix A).

B-1 Approximate locations of the exploratory boring, with SPT blow counts (N_{60}) in purple (see Appendix A).

GROUP DELTA

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SAN DIEGO, CA 92126 (858) 536-1000

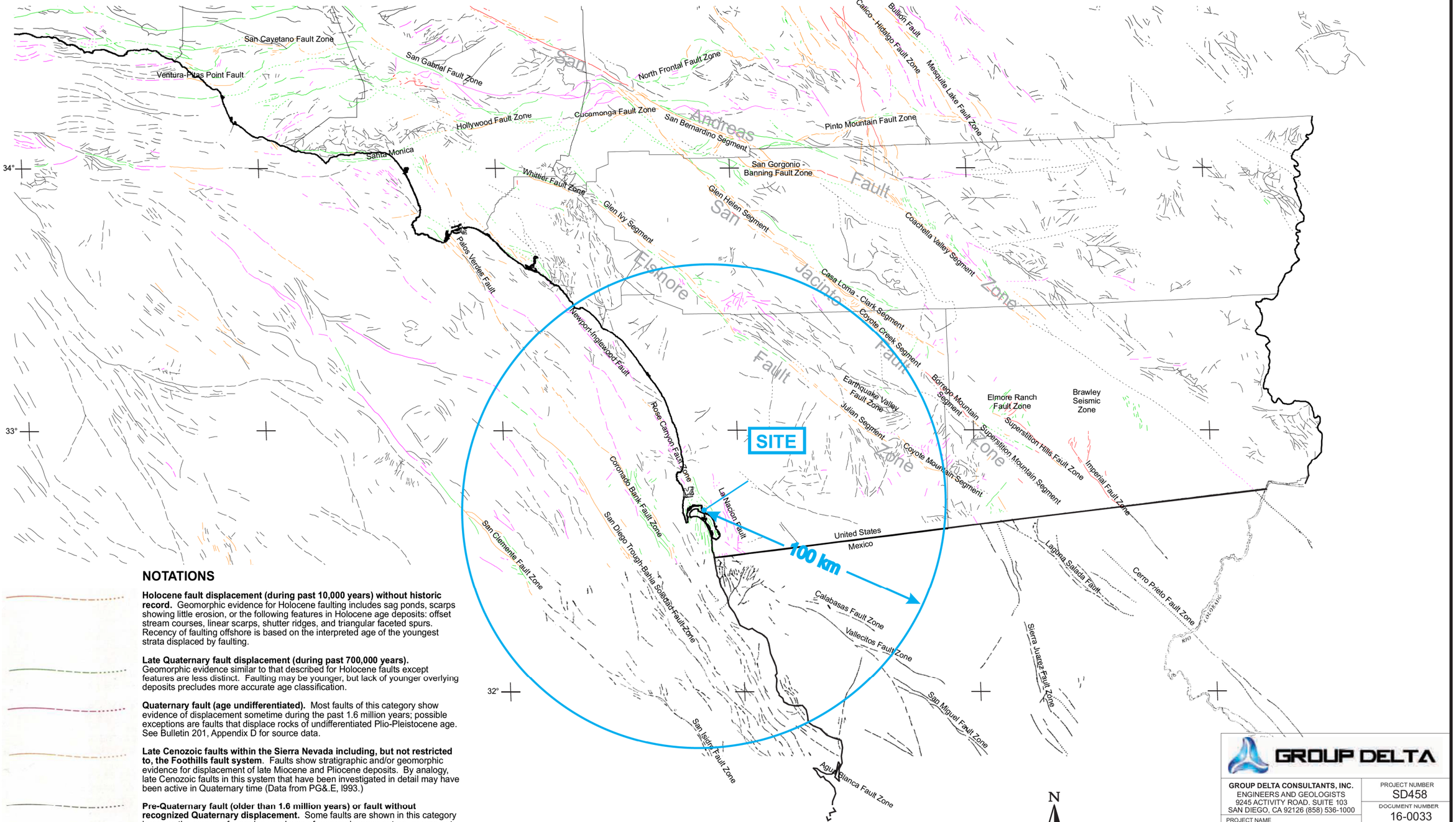
PROJECT NUMBER: SD458

DOCUMENT NUMBER: 16-0033

PROJECT NAME: 10th Avenue Terminal, Building C
Mitsubishi Cement Corporation

FIGURE NUMBER: 3C

CROSS SECTION A-A'



NOTATIONS

Holocene fault displacement (during past 10,000 years) without historic record. Geomorphic evidence for Holocene faulting includes sag ponds, scarps showing little erosion, or the following features in Holocene age deposits: offset stream courses, linear scarps, shutter ridges, and triangular faceted spurs. Recency of faulting offshore is based on the interpreted age of the youngest strata displaced by faulting.

Late Quaternary fault displacement (during past 700,000 years). Geomorphic evidence similar to that described for Holocene faults except features are less distinct. Faulting may be younger, but lack of younger overlying deposits precludes more accurate age classification.

Quaternary fault (age undifferentiated). Most faults of this category show evidence of displacement sometime during the past 1.6 million years; possible exceptions are faults that displace rocks of undifferentiated Plio-Pleistocene age. See Bulletin 201, Appendix D for source data.

Late Cenozoic faults within the Sierra Nevada including, but not restricted to, the Foothills fault system. Faults show stratigraphic and/or geomorphic evidence for displacement of late Miocene and Pliocene deposits. By analogy, late Cenozoic faults in this system that have been investigated in detail may have been active in Quaternary time (Data from PG&.E, l993.)

Pre-Quaternary fault (older than 1.6 million years) or fault without recognized Quaternary displacement. Some faults are shown in this category because the source of mapping used was of reconnaissance nature, or was not done with the object of dating fault displacements. Faults in this category are not necessarily inactive.

REFERENCE: Jennings, C.W. (1994). *Fault Activity Map of California and Adjacent Areas with Locations and Ages of Recent Volcanic Eruptions*, Map No. 6

N

0 10 20 30 40 50 60
SCALE (KM)

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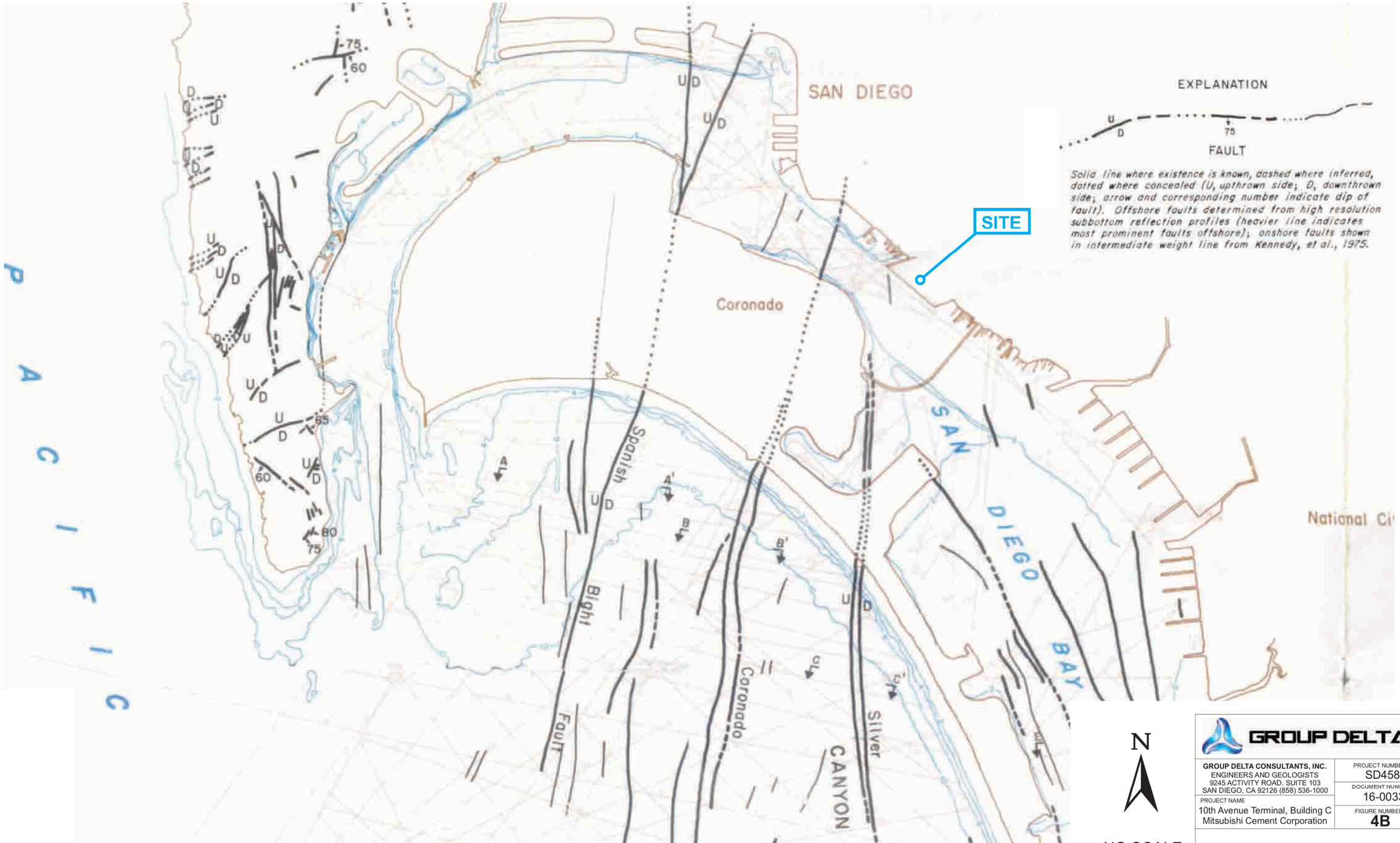
FIGURE NUMBER
4A

REGIONAL FAULT MAP



REFERENCE: Kennedy and Peterson (1980). *Recency and Character of Faulting, Offshore Metropolitan San Diego, California, CDMG Special Report 123, Map Sheet 40.*

N

NO SCALE

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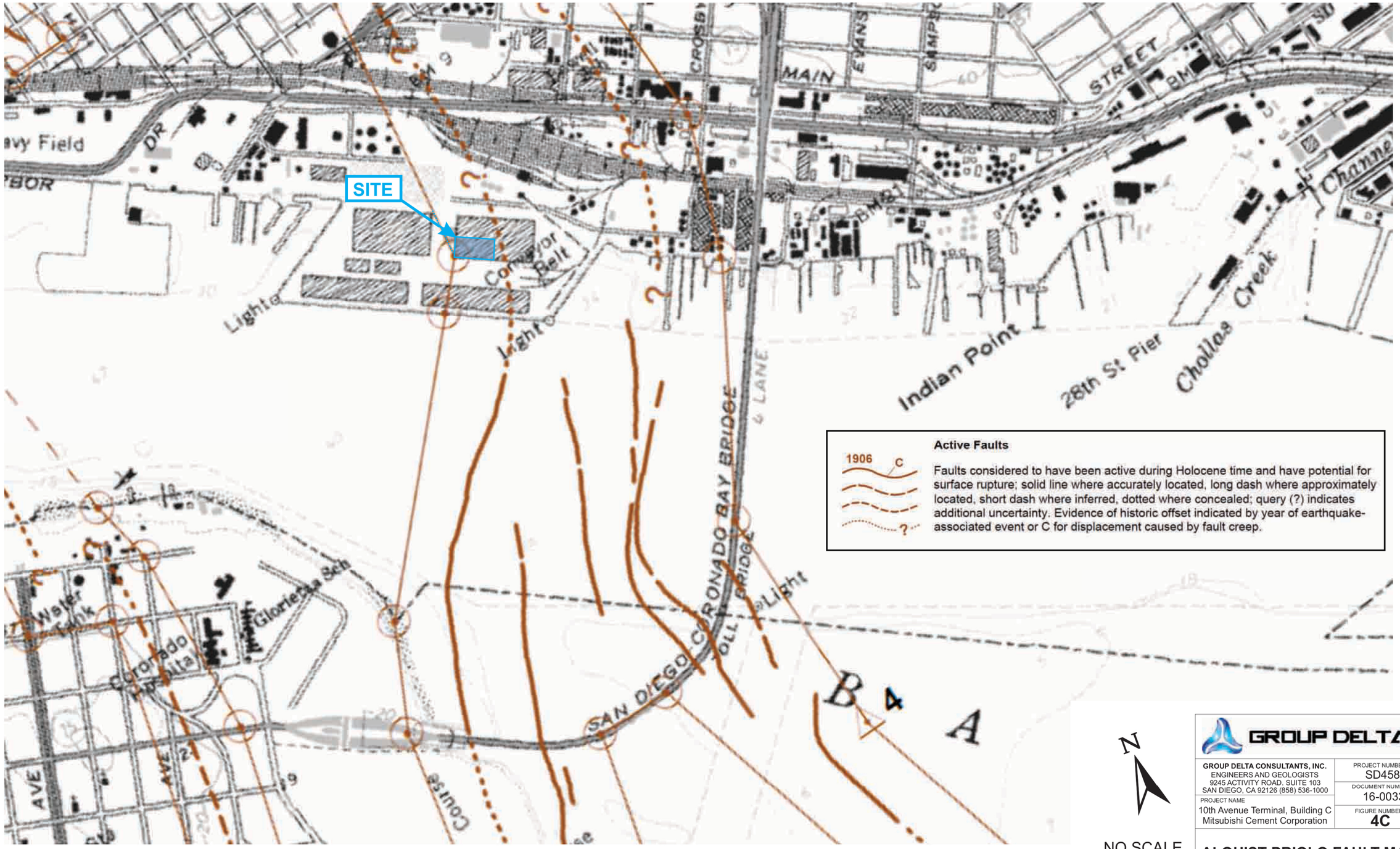
FIGURE NUMBER: **4B**

LOCAL FAULT MAP



REFERENCE: State of California (2003). *Earthquake Fault Zones, Point Loma Quadrangle*, May 1

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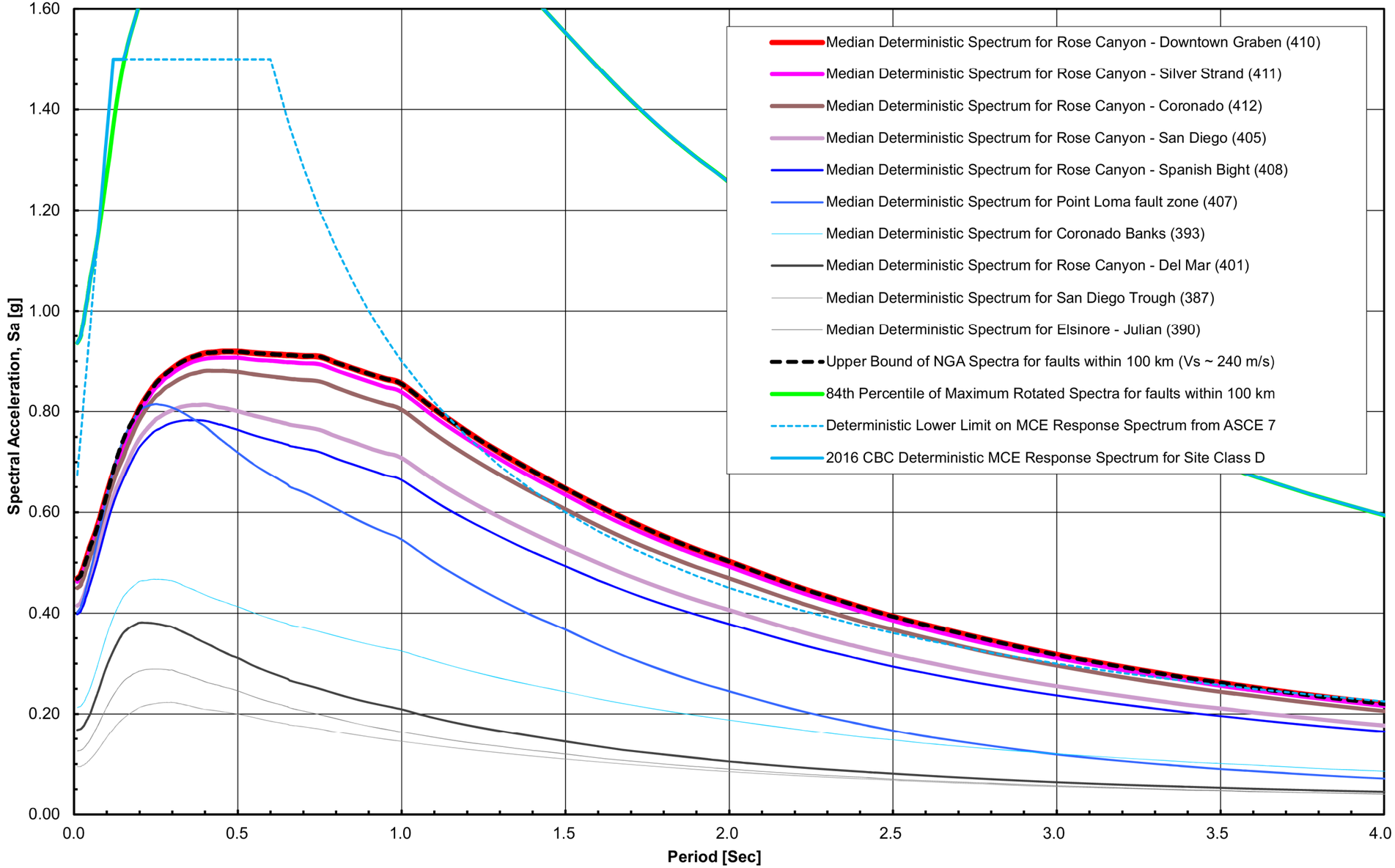
ALQUIST-PRIOLO FAULT MAP



2016 CBC MCE Spectrum

Period [Sec]	Sa [g]
0.00	0.936
0.05	1.066
0.10	1.350
0.15	1.500
0.20	1.612
0.25	1.712
0.30	1.770
0.40	1.878
0.50	1.930
0.75	2.008
1.00	1.967
1.50	1.553
2.00	1.255
2.50	1.002
3.00	0.824
3.50	0.694
4.00	0.594
4.50	0.512
5.00	0.446

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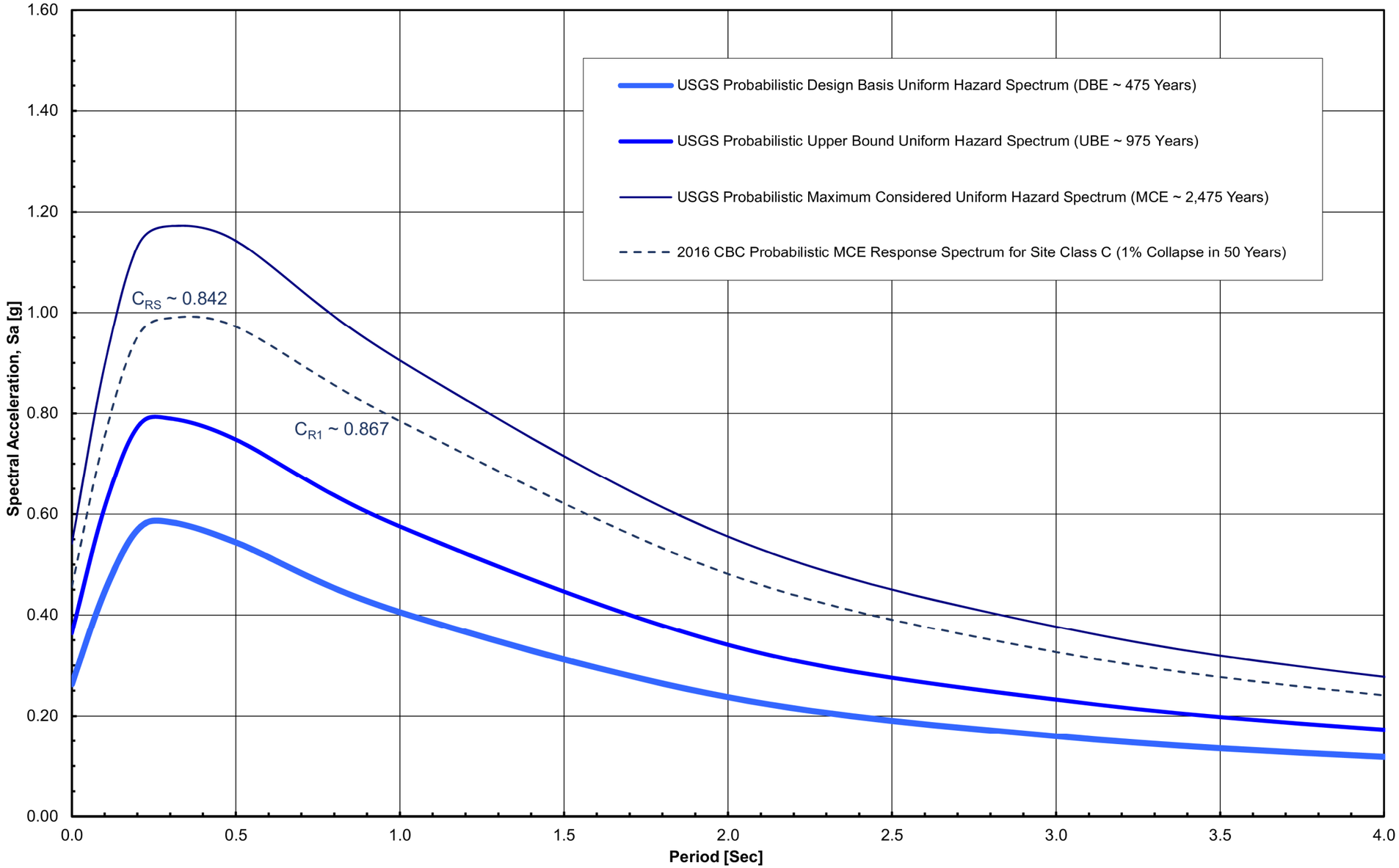
Mitsubishi Cement Corporation

FIGURE NUMBER: **5A**

DETERMINISTIC SPECTRA

REFERENCE: CALTRANS (2016). *ARS Online, Version 2.3.06,* http://dap3.dot.ca.gov/ARS_Online/, March 2.



2016 CBC MCE Spectrum

Period [Sec]	Sa [g]
0.00	0.456
0.05	0.613
0.10	0.753
0.15	0.869
0.20	0.951
0.25	0.986
0.30	0.989
0.40	0.986
0.50	0.972
0.75	0.876
1.00	0.785
1.50	0.618
2.00	0.481
2.50	0.393
3.00	0.327
3.50	0.277
4.00	0.241
4.50	0.214
5.00	0.193

REFERENCE: USGS (2016). *Earthquake Hazards Program,* http://geohazards.usgs.gov/deaggint/2008/, March 2.

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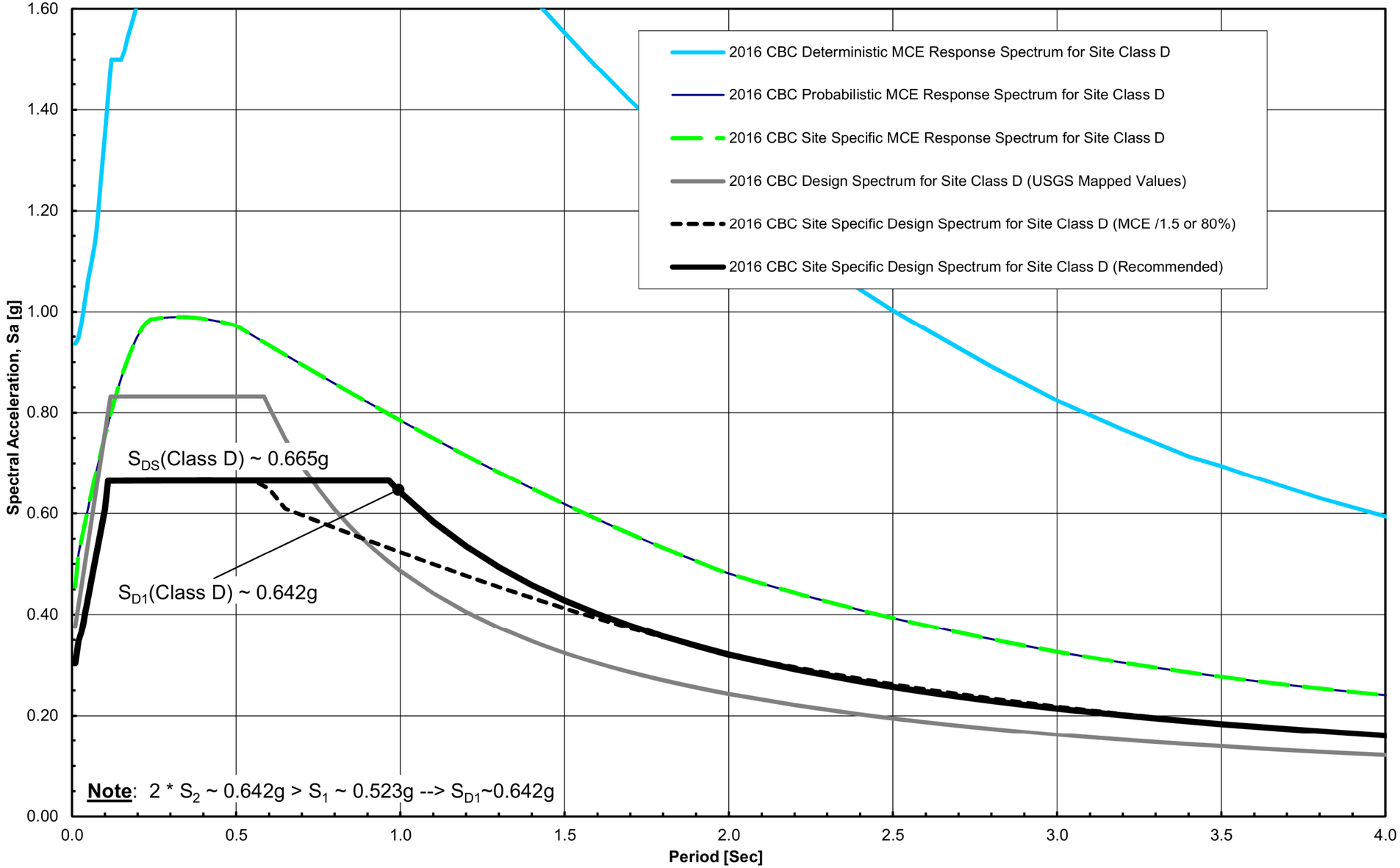
FIGURE NUMBER: **5B**

PROBABILISTIC SPECTRA



Design Spectrum

Period [Sec]	Sa [g]
0.00	0.266
0.05	0.437
0.10	0.608
0.15	0.665
0.20	0.665
0.25	0.665
0.30	0.665
0.40	0.665
0.50	0.665
0.75	0.665
1.00	0.642
1.50	0.428
2.00	0.321
2.50	0.257
3.00	0.214
3.50	0.183
4.00	0.161
4.50	0.143
5.00	0.128

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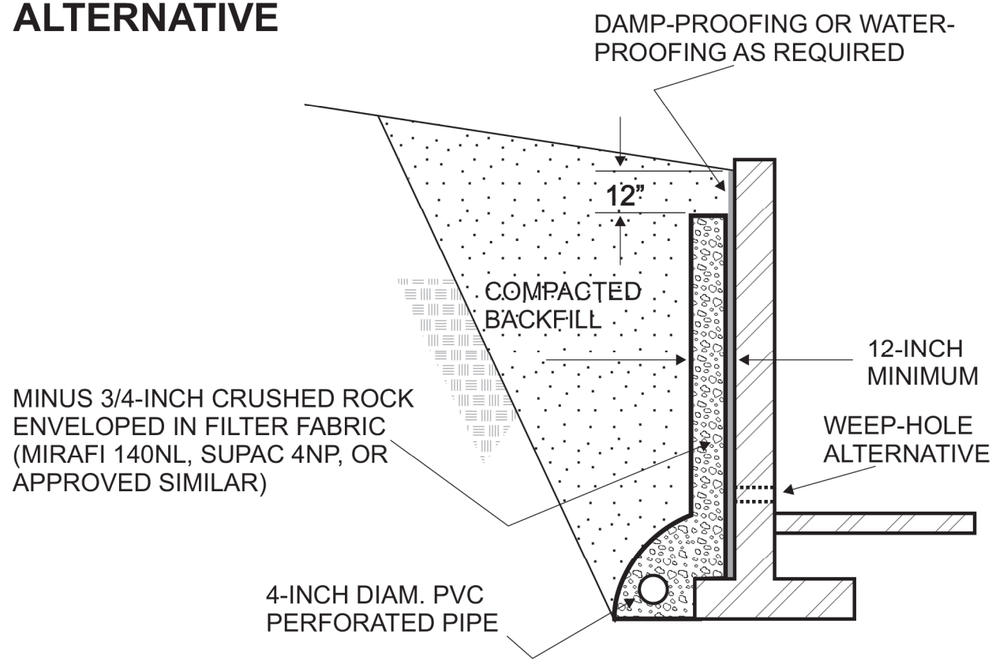
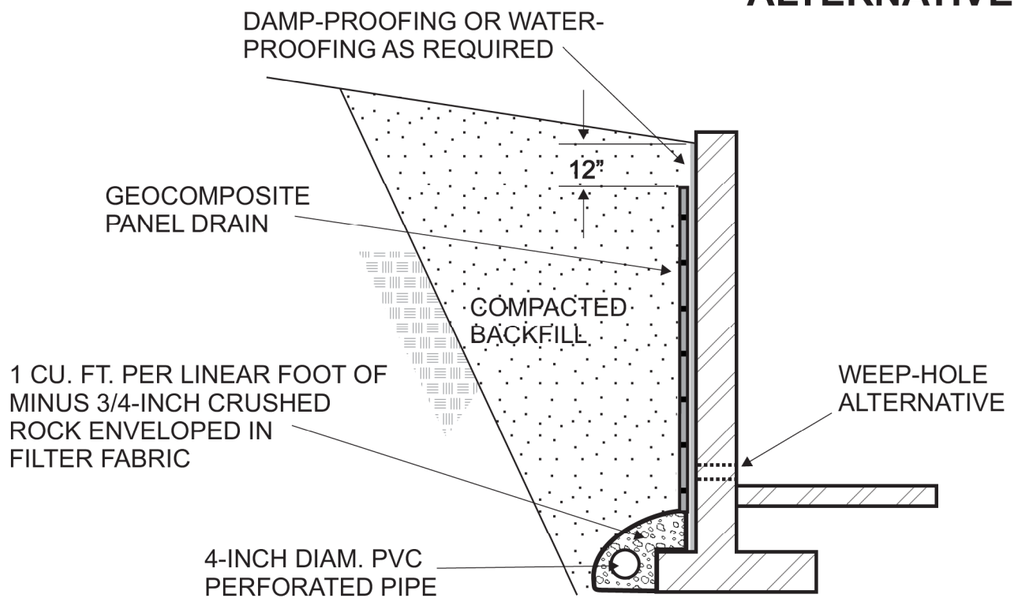
FIGURE NUMBER: 5C

DESIGN SPECTRA

ROCK AND FABRIC ALTERNATIVE



PANEL DRAIN ALTERNATIVE



NOTES

1) Perforated pipe should outlet through a solid pipe to a free gravity outfall. Perforated pipe and outlet pipe should have a fall of at least 1%.

2) As an alternative to the perforated pipe and outlet, weep-holes may be constructed. Weep-holes should be at least 2 inches in diameter, spaced no greater than 8 feet, and be located just above grade at the bottom of wall.

3) Filter fabric should consist of Mirafi 140N, Supac 5NP, Amoco 4599, or similar approved fabric. Filter fabric should be overlapped at least 6-inches.

4) Geocomposite panel drain should consist of Miradrain 6000, J-DRain 400, Supac DS-15, or approved similar product.

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FIGURE NUMBER
6A

WALL DRAINAGE DETAILS

INPUT PARAMETERS

Unit Weight of Soil [PCF]	115
Backfill Soil Friction Angle (ϕ) [°]:	34
Wall Friction Angle (δ) [°]:	23
Soil Backfill Angle (α) [°]:	0
Wall Batter Angle (β) [°]:	90
Horizontal Acceleration (K_h) [g's]:	0.28
Vertical Acceleration (K_v) [g's]:	0.00

Active Pressure Resultant: $F_a = 1/2\ \gamma_a H^2$

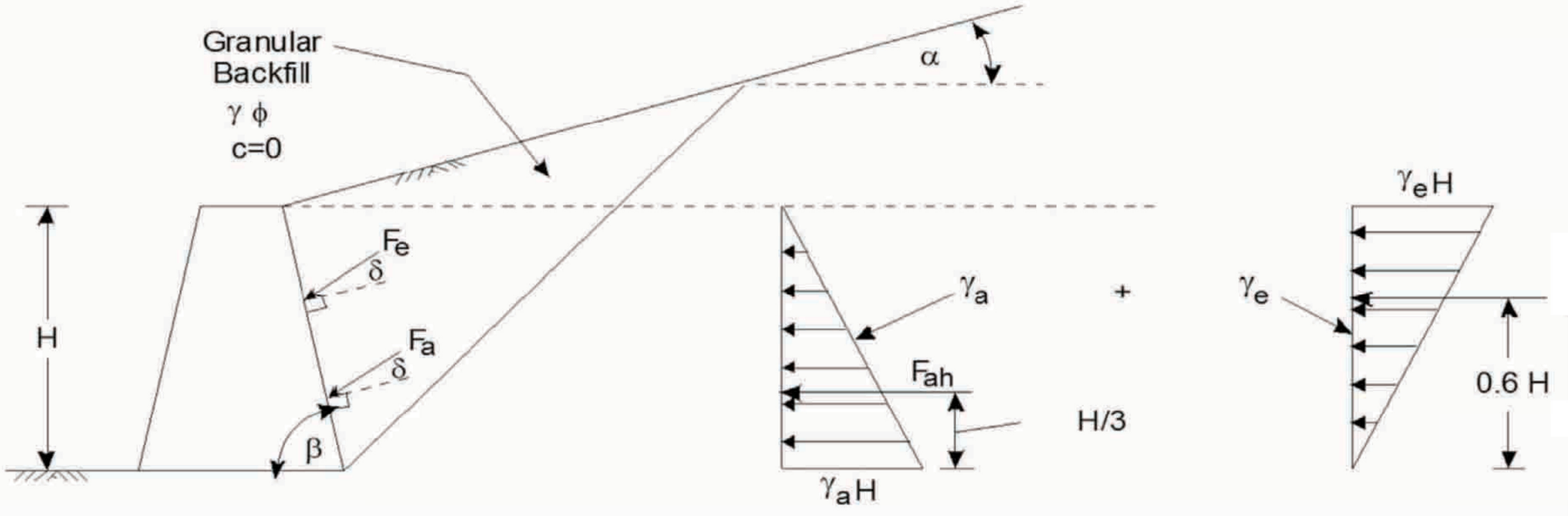
Earthquake Pressure Resultant: $F_e = 1/2\ \gamma_e H^2$

CALCULATED PARAMETERS

Active Pressure Coefficient (K_a):	0.254
Equivalent Fluid Pressure (γ_a):	29.2
Seismic Pressure Coefficient (K_{ae}):	0.478
Equivalent Fluid Pressure (γ_{ae}):	55.0
Equivalent Seismic Pressure (γ_e):	25.7

Horizontal Component of Active Pressure Resultant $F_{ah} = F_a \cos(\delta+90-\beta)$

Horizontal Component of Seismic Pressure Resultant $F_{eh} = F_e \cos(\delta+90-\beta)$



Seismic Increment (γ_e ~ 26 PCF)

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Mitsubishi Cement Corporation

FIGURE NUMBER: **6B**

SEISMIC WALL LOADS

APPENDIX A
FIELD EXPLORATION

APPENDIX A

FIELD EXPLORATION

The field exploration program included a visual and geologic reconnaissance of the site, the drilling of one exploratory boring, and the advancement of three cone penetrometer (CPT) soundings throughout the site. The field explorations were completed between February 24th and March 4th, 2016. The maximum depth of exploration was about 85 feet. The approximate locations of the boring and CPT soundings are shown in Figure 2D. Logs describing the subsurface conditions encountered within the boring and three CPT soundings are shown in Figures A-1 through A-4.

The exploratory boring was completed by Pacific Drilling Company using the Fraste LAR track mounted drill rig (Boring B-1). Drive samples were collected from the boring using an automatic hammer with an average Energy Transfer Ratio (ETR) of about 83 percent for the Fraste rig. Disturbed samples were collected from the boring using a 2-inch outside diameter Standard Penetration Test (SPT) sampler. Less disturbed samples were collected using a 3-inch outside diameter ring lined sampler (a modified California sampler). These samples were sealed in plastic bags, labeled, and returned to the laboratory for testing. For each sample, the number of blows needed to drive the sampler 12 inches was recorded on the logs. The field blow counts (N) were normalized to approximate a standard 60 percent ETR, as shown on the logs (N_{60}). Bulk samples were also collected from the boring at selected intervals. The boring log is presented in Figure A-1. Note that the lines designating the interface between differing soil materials on the boring log may be abrupt or gradational. Furthermore, soil conditions at locations between the explorations may be substantially different from those at the specific locations we explored.

The 3 cone penetrometer (CPT) soundings were advanced by Kehoe Testing and Engineering in general accordance with ASTM D5778. The CPT data is presented in Figures A-2 through A-4. The CPT soundings were advanced using a 30-ton truck mounted rig with a 15 cm^2 cone. Integrated electronic circuitry was used to measure the tip resistance (Qc) and skin friction (Fs) at 2.5 cm (1 inch) intervals while the CPT was advanced into the soil using hydraulic down pressure. A piezometer located behind the cone tip also measured transient pore pressure (u). Figure A for each CPT sounding presents the raw data. The interpreted soil profile is shown in a color-coded log in Figure B. The CPT data may also be used to estimate soil parameters such as undrained shear strength, as shown Figure C for each CPT sounding. Note that the soil interpretations are generally a function of the normalized cone resistance and friction ratio (Robertson, 1988, 1990).

At the location of CPT-2, shear wave velocity measurements were taken at 5 foot depth intervals using an air actuated hammer located inside the front jack of the CPT rig. The interval shear wave velocity measurements are provided immediately after Figure A-3c. The average shear wave velocity measured within the upper 85 feet (Vs_d) at the location of CPT-2 was 744 ft/s (or 227 m/s). Based on a commonly used extrapolation method, Vs_{30} is estimated at 240 m/s (Boore, 2004).

APPENDIX A

FIELD EXPLORATION (Continued)

The boring and CPT locations were surveyed by Nasland Engineering on February 12th, 2016. The survey data is tabulated below. All of these explorations were conducted at the planned location.

Exploration ID	Northing	Easting	Latitude	Longitude	Offset	Elevation MLLW [FT]
B-1	1835343.20	6282996.52	32.6990651	-117.1558266	None	16.62
CPT-1	1835369.66	6282995.31	32.6991378	-117.1558313	None	16.64
CPT-2	1835316.71	6282997.75	32.6989924	-117.1558219	None	16.42
CPT-3	1835290.25	6282998.98	32.6989197	-117.1558171	None	16.40

SOIL IDENTIFICATION AND DESCRIPTION SEQUENCE

Sequence	Identification Components	Refer to Section: Field	Refer to Section: Lab	Required	Optional
1	Group Name	2.5.2	3.2.2	●	
2	Group Symbol	2.5.2	3.2.2	●	
	Description Components				
3	Consistency of Cohesive Soil	2.5.3	3.2.3	●	
4	Apparent Density of Cohesionless Soil	2.5.4		●	
5	Color	2.5.5		●	
6	Moisture	2.5.6		●	
7	Percent or Proportion of Soil	2.5.7	3.2.4	●	○
	Particle Size	2.5.8	2.5.8	●	○
	Particle Angularity	2.5.9			○
	Particle Shape	2.5.10			○
8	Plasticity (for fine-grained soil)	2.5.11	3.2.5		○
9	Dry Strength (for fine-grained soil)	2.5.12			○
10	Dilatency (for fine-grained soil)	2.5.13			○
11	Toughness (for fine-grained soil)	2.5.14			○
12	Structure	2.5.15			○
13	Cementation	2.5.16		●	
14	Percent of Cobbles and Boulders	2.5.17		●	
	Description of Cobbles and Boulders	2.5.18		●	
15	Consistency Field Test Result	2.5.3		●	
16	Additional Comments	2.5.19			○

Describe the soil using descriptive terms in the order shown

Minimum Required Sequence:

USCS Group Name (Group Symbol); Consistency or Density; Color; Moisture; Percent or Proportion of Soil; Particle Size; Plasticity (optional).

○ = optional for non-Caltrans projects

Where applicable:

Cementation; % cobbles & boulders; Description of cobbles & boulders; Consistency field test result

REFERENCE: Caltrans Soil and Rock Logging, Classification, and Presentation Manual (2010).

HOLE IDENTIFICATION

Holes are identified using the following convention:

H – YY – NNN

Where:

H: Hole Type Code

YY: 2-digit year

NNN: 3-digit number (001-999)

Hole Type Code and Description

Hole Type Code	Description
A	Auger boring (hollow or solid stem, bucket)
R	Rotary drilled boring (conventional)
RC	Rotary core (self-cased wire-line, continuously-sampled)
RW	Rotary core (self-cased wire-line, not continuously sampled)
P	Rotary percussion boring (Air)
HD	Hand driven (1-inch soil tube)
HA	Hand auger
D	Driven (dynamic cone penetrometer)
CPT	Cone Penetration Test
O	Other (note on LOTB)

Description Sequence Examples:

SANDY lean CLAY (CL); very stiff; yellowish brown; moist; mostly fines; some SAND, from fine to medium; few gravels; medium plasticity; PP=2.75.

Well-graded SAND with SILT and GRAVEL and COBBLES (SW-SM); dense; brown; moist; mostly SAND, from fine to coarse; some fine GRAVEL; few fines; weak cementation; 10% GRANITE COBBLES; 3 to 6 inches; hard; subrounded.

Clayey SAND (SC); medium dense, light brown; wet; mostly fine sand,; little fines; low plasticity.

GROUP DELTA

Project No. SD458

Cement Unloading Facility
Mitsubishi Cement Corporation

BORING RECORD LEGEND #1

GROUP SYMBOLS AND NAMES

Graphic / Symbol	Group Names	Graphic / Symbol	Group Names
GW	Well-graded GRAVEL Well-graded GRAVEL with SAND	CL	Lean CLAY Lean CLAY with SAND Lean CLAY with GRAVEL SANDY lean CLAY SANDY lean CLAY with GRAVEL GRAVELLY lean CLAY GRAVELLY lean CLAY with SAND
GP	Poorly graded GRAVEL Poorly graded GRAVEL with SAND		
GW-GM	Well-graded GRAVEL with SILT Well-graded GRAVEL with SILT and SAND	CL-ML	SILTY CLAY SILTY CLAY with SAND SILTY CLAY with GRAVEL SANDY SILTY CLAY SANDY SILTY CLAY with GRAVEL GRAVELLY SILTY CLAY GRAVELLY SILTY CLAY with SAND
GW-GC	Well-graded GRAVEL with CLAY (or SILTY CLAY) Well-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)		
GP-GM	Poorly graded GRAVEL with SILT Poorly graded GRAVEL with SILT and SAND	ML	SILT SILT with SAND SILT with GRAVEL SANDY SILT SANDY SILT with GRAVEL GRAVELLY SILT GRAVELLY SILT with SAND
GP-GC	Poorly graded GRAVEL with CLAY (or SILTY CLAY) Poorly graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)		
GM	SILTY GRAVEL SILTY GRAVEL with SAND	OL	ORGANIC lean CLAY ORGANIC lean CLAY with SAND ORGANIC lean CLAY with GRAVEL SANDY ORGANIC lean CLAY SANDY ORGANIC lean CLAY with GRAVEL GRAVELLY ORGANIC lean CLAY GRAVELLY ORGANIC lean CLAY with SAND
GC	CLAYEY GRAVEL CLAYEY GRAVEL with SAND		
GC-GM	SILTY, CLAYEY GRAVEL SILTY, CLAYEY GRAVEL with SAND	OL	ORGANIC SILT ORGANIC SILT with SAND ORGANIC SILT with GRAVEL SANDY ORGANIC SILT SANDY ORGANIC SILT with GRAVEL GRAVELLY ORGANIC SILT GRAVELLY ORGANIC SILT with SAND
SW	Well-graded SAND Well-graded SAND with GRAVEL		
SP	Poorly graded SAND Poorly graded SAND with GRAVEL	CH	Fat CLAY Fat CLAY with SAND Fat CLAY with GRAVEL SANDY fat CLAY SANDY fat CLAY with GRAVEL GRAVELLY fat CLAY GRAVELLY fat CLAY with SAND
SW-SM	Well-graded SAND with SILT Well-graded SAND with SILT and GRAVEL		
SW-SC	Well-graded SAND with CLAY (or SILTY CLAY) Well-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)	MH	Elastic SILT Elastic SILT with SAND Elastic SILT with GRAVEL SANDY elastic SILT SANDY elastic SILT with GRAVEL GRAVELLY elastic SILT GRAVELLY elastic SILT with SAND
SP-SM	Poorly graded SAND with SILT Poorly graded SAND with SILT and GRAVEL		
SP-SC	Poorly graded SAND with CLAY (or SILTY CLAY) Poorly graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)	OH	ORGANIC fat CLAY ORGANIC fat CLAY with SAND ORGANIC fat CLAY with GRAVEL SANDY ORGANIC fat CLAY SANDY ORGANIC fat CLAY with GRAVEL GRAVELLY ORGANIC fat CLAY GRAVELLY ORGANIC fat CLAY with SAND
SM	SILTY SAND SILTY SAND with GRAVEL		
SC	CLAYEY SAND CLAYEY SAND with GRAVEL	OH	ORGANIC elastic SILT ORGANIC elastic SILT with SAND ORGANIC elastic SILT with GRAVEL SANDY elastic ELASTIC SILT SANDY ORGANIC elastic SILT with GRAVEL GRAVELLY ORGANIC elastic SILT GRAVELLY ORGANIC elastic SILT with SAND
SC-SM	SILTY, CLAYEY SAND SILTY, CLAYEY SAND with GRAVEL		
PT	PEAT	OL/OH	ORGANIC SOIL ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND
	COBBLES COBBLES and BOULDERS BOULDERS		

FIELD AND LABORATORY TESTING

C	Consolidation (ASTM D 2435)
CL	Collapse Potential (ASTM D 5333)
CP	Compaction Curve (CTM 216)
CR	Corrosion, Sulfates, Chlorides (CTM 643; CTM 417; CTM 422)
CU	Consolidated Undrained Triaxial (ASTM D 4767)
DS	Direct Shear (ASTM D 3080)
EI	Expansion Index (ASTM D 4829)
M	Moisture Content (ASTM D 2216)
OC	Organic Content (ASTM D 2974)
P	Permeability (CTM 220)
PA	Particle Size Analysis (ASTM D 422)
PI	Liquid Limit, Plastic Limit, Plasticity Index (AASHTO T 89, AASHTO T 90)
PL	Point Load Index (ASTM D 5731)
PM	Pressure Meter
R	R-Value (CTM 301)
SE	Sand Equivalent (CTM 217)
SG	Specific Gravity (AASHTO T 100)
SL	Shrinkage Limit (ASTM D 427)
SW	Swell Potential (ASTM D 4546)
UC	Unconfined Compression - Soil (ASTM D 2166) Unconfined Compression - Rock (ASTM D 2938)
UU	Unconsolidated Undrained Triaxial (ASTM D 2850)
UW	Unit Weight (ASTM D 4767)

SAMPLER GRAPHIC SYMBOLS

- Standard Penetration Test (SPT)
- Standard California Sampler
- Modified California Sampler (2.4" ID, 3" OD)
- Shelby Tube
- Piston Sampler
- NX Rock Core
- HQ Rock Core
- Bulk Sample
- Other (see remarks)

DRILLING METHOD SYMBOLS

- Auger Drilling
- Rotary Drilling
- Dynamic Cone or Hand Driven
- Diamond Core

WATER LEVEL SYMBOLS

- First Water Level Reading (during drilling)
- Static Water Level Reading (after drilling, date)

Definitions for Change in Material

Term	Definition	Symbol
Material Change	Change in material is observed in the sample or core and the location of change can be accurately located.	———
Estimated Material Change	Change in material cannot be accurately located either because the change is gradational or because of limitations of the drilling and sampling methods.	– – – – –
Soil / Rock Boundary	Material changes from soil characteristics to rock characteristics.	~~~

REFERENCE: Caltrans Soil and Rock Logging, Classification, and Presentation Manual (2010).

GROUP DELTA

Project No. SD458

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Mitsubishi Cement Corporation

BORING RECORD LEGEND #2

CONSISTENCY OF COHESIVE SOILS				
Description	**Shear Strength (tsf)**	**Pocket Penetrometer, PP, Measurement (tsf)**	**Torvane, TV, Measurement (tsf)**	**Vane Shear, VS, Measurement (tsf)**
Very Soft	Less than 0.12	Less than 0.25	Less than 0.12	Less than 0.12
Soft	0.12 - 0.25	0.25 - 0.5	0.12 - 0.25	0.12 - 0.25
Medium Stiff	0.25 - 0.5	0.5 - 1	0.25 - 0.5	0.25 - 0.5
Stiff	0.5 - 1	1 - 2	0.5 - 1	0.5 - 1
Very Stiff	1 - 2	2 - 4	1 - 2	1 - 2
Hard	Greater than 2	Greater than 4	Greater than 2	Greater than 2

APPARENT DENSITY OF COHESIONLESS SOILS	
Description	**SPT N_{60} (blows / 12 inches)**
Very Loose	0 - 5
Loose	5 - 10
Medium Dense	10 - 30
Dense	30 - 50
Very Dense	Greater than 50

MOISTURE	
Description	**Criteria**
Dry	No discernable moisture
Moist	Moisture present, but no free water
Wet	Visible free water

PERCENT OR PROPORTION OF SOILS	
Description	**Criteria**
Trace	Particles are present but estimated to be less than 5%
Few	5 - 10%
Little	15 - 25%
Some	30 - 45%
Mostly	50 - 100%

PARTICLE SIZE		
Description		**Size (in)**
Boulder		Greater than 12
Cobble		3 - 12
Gravel	Coarse	3/4 - 3
	Fine	1/5 - 3/4
Sand	Coarse	1/16 - 1/5
	Medium	1/64 - 1/16
	Fine	1/300 - 1/64
Silt and Clay		Less than 1/300

CEMENTATION	
Description	**Criteria**
Weak	Crumbles or breaks with handling or little finger pressure.
Moderate	Crumbles or breaks with considerable finger pressure.
Strong	Will not crumble or break with finger pressure.

REFERENCE: Caltrans Soil and Rock Logging, Classification, and Presentation Manual (2010), with the exception of consistency of cohesive soils vs. N_{60}.

Plasticity

Description	**Criteria**
Nonplastic	A 1/8-in. thread cannot be rolled at any water content.
Low	The thread can barely be rolled and the lump cannot be formed when drier than the plastic limit.
Medium	The thread is easy to roll and not much time is required to reach the plastic limit. The thread cannot be rerolled after reaching the plastic limit. The lump crumbles when drier than the plastic limit.
High	It takes considerable time rolling and kneading to reach the plastic limit. The thread can be rerolled several times after reaching the plastic limit. The lump can be formed without crumbling when drier than the plastic limit.

CONSISTENCY OF COHESIVE SOILS	
Description	SPT N_{60} (blows/12 inches)
Very Soft	0 - 2
Soft	2 - 4
Medium Stiff	4 - 8
Stiff	8 - 15
Very Stiff	15 - 30
Hard	Greater than 30

Ref: Peck, Hansen, and Thornburn, 1974, "Foundation Engineering," Second Edition.

Note: Only to be used (with caution) when pocket penetrometer or other data on undrained shear strength are unavailable. Not allowed by Caltrans Soil and Rock Logging and Classification Manual, 2010.

GROUP DELTA

Project No. SD458

Cement Unloading Facility
Mitsubishi Cement Corporation

BORING RECORD LEGEND #3

BORING RECORD

PROJECT NAME	PROJECT NUMBER	BORING
Mitsubishi Cement Unloading Facility	SD458	**B-01**

SITE LOCATION	START	FINISH	SHEET NO.
10th Avenue Marine Terminal, Warehouse C (C-7)	2/24/2016	2/24/2016	1 of 3

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Pacific Drilling Company	Hollow Stem Auger	RCF	MAF

DRILLING EQUIPMENT	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GROUND WATER (ft)
Fraste (LAR) Track Mounted Rig	8	51.5	16.6	▼ 12.0 / *4.6*

SAMPLING METHOD
Hammer: 140 lbs., Drop: 30 in. (Automatic)

NOTES
ETR ~ 83%, N_{60} ~ 83/60 * N ~ 1.38 * N

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	N_{60}	MOISTURE (%)	DRY DENSITY (pcf)	OTHER TESTS	DEPTH (feet)	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
												PAVEMENT: 3 inches asphalt concrete (no base).
	15		B-1						PA PI CR EI~23 R~6			**FILL:** Clayey SAND with gravel (SC); medium dense; gray brown; moist; low plasticity. Pocket Penetrometer (PP~3½ TSF). Photoionization detector (PID~1.8 PPM).
												19% Gravel; 46% Sand; 36% Fines
			S-2	2 4 4	8	11						LL~35, PL~13, PI~22
5										5		Lean CLAY (CL); stiff; brown to reddish brown; moist; low plasticity. Contains few shells.
			R-3	3 5 5	10	9	14.5	97				PP~3½ TSF, PID~1.6 PPM
	10											
			S-4	6 4 4	8	11						Clayey SAND (SC); medium dense; reddish brown; moist; low plasticity.
												PP~1 TSF, PID~3.2 PPM
10										10		
			R-5	3 7 4	11	10	19.6	99				PP~1¼ TSF, PID~1.1 PPM
	5											
			S-6	3 6 4	10	14			PA			**HYDRAULIC FILL:** Poorly graded SAND with silt (SP-SM); medium dense; dark gray brown; saturated; nonplastic. PID~1.0 PPM
												0% Gravel; 89% Sand; 11% Fines
15										15		
			R-7	6 7 8	15	14	26.3	100	DS			PID~0.6 PPM
	0											
												Silty SAND (SM); loose; dark gray brown; saturated; nonplastic.

GDC_LOG_BORING_MMX_SOIL_SD_SD458 LOGS.GPJ GDCLOG.GDT 4/21/16

GROUP DELTA CONSULTANTS, INC.
9245 Activity Road, Suite 103
San Diego, CA 92126

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE
A-1 a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	BORING
Mitsubishi Cement Unloading Facility	SD458	**B-01**

SITE LOCATION	START	FINISH	SHEET NO.
10th Avenue Marine Terminal, Warehouse C (C-7)	2/24/2016	2/24/2016	2 of 3

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Pacific Drilling Company	Hollow Stem Auger	RCF	MAF

DRILLING EQUIPMENT	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GROUND WATER (ft)
Fraste (LAR) Track Mounted Rig	8	51.5	16.6	▼ 12.0 / *4.6*

SAMPLING METHOD
Hammer: 140 lbs., Drop: 30 in. (Automatic)

NOTES
ETR ~ 83%, N_{60} ~ 83/60 * N ~ 1.38 * N

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	N_{60}	MOISTURE (%)	DRY DENSITY (pcf)	OTHER TESTS	DEPTH (feet)	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
	-5		S-8	1 1 3	4	6			PA			**HYDRAULIC FILL:** Silty SAND (SM); loose; dark gray; saturated; nonplastic. PID~1.6 PPM 0% Gravel; 73% Sand; 27% Fines
25	-10		R-9	2 4 6	10	9	50.0	70	C	25		Fat CLAY (CH); soft; black; saturated; high plasticity. PP~¼ TSF, PID~2.2 PPM
30	-15		S-10	2 2 2	4	6			PA	30		Silty SAND (SM); loose; dark gray brown; saturated; nonplastic. 2% Gravel; 57% Sand; 41% Fines PID~1.6 PPM
35	-20		R-11	13 18 21	39	36	14.3	115		35		**OLD PARALIC DEPOSITS:** Fat CLAY (CH); hard; brown; saturated; high plasticity. PP>4½ TSF, PID~1.0 PPM
												Lean CLAY (CL); very stiff; brown; saturated; low plasticity.

GDC_LOG_BORING_MMX_SOIL_SD_SD458 LOGS.GPJ GDCLOG.GDT 4/21/16

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9245 Activity Road, Suite 103
San Diego, CA 92126

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FIGURE
A-1 b

BORING RECORD

PROJECT NAME	PROJECT NUMBER	BORING
Mitsubishi Cement Unloading Facility	SD458	**B-01**

SITE LOCATION	START	FINISH	SHEET NO.
10th Avenue Marine Terminal, Warehouse C (C-7)	2/24/2016	2/24/2016	3 of 3

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Pacific Drilling Company	Hollow Stem Auger	RCF	MAF

DRILLING EQUIPMENT	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GROUND WATER (ft)
Fraste (LAR) Track Mounted Rig	8	51.5	16.6	▼ 12.0 / *4.6*

SAMPLING METHOD
Hammer: 140 lbs., Drop: 30 in. (Automatic)

NOTES
ETR ~ 83%, N_{60} ~ 83/60 * N ~ 1.38 * N

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	N_{60}	MOISTURE (%)	DRY DENSITY (pcf)	OTHER TESTS	DEPTH (feet)	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
	-25		S-12	2 3 5	8	11			PA			**OLD PARALIC DEPOSITS:** Sandy lean CLAY (CL); very stiff; brown; saturated; low plasticity. 0% Gravel; 44% Sand; 56% Fines PP~2 TSF, PID~0.8 PPM
45										45		Clayey SAND (SC); medium dense to dense; brown; saturated; low plasticity. PID~0.8 PPM
	-30		S-13	6 8 10	18	25						
50										50		0% Gravel; 57% Sand; 43% Fines LL~25, PL~17, PI~8 PID~0.8 PPM
	-35		S-14	6 8 13	21	29			PA PI			
55										55		Total Depth ~ 51½ Feet Groundwater Encountered @ 12 Feet
	-40											

GDC_LOG_BORING_MMX_SOIL_SD_SD458 LOGS.GPJ GDCLOG.GDT 4/21/16

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San Diego, CA 92126

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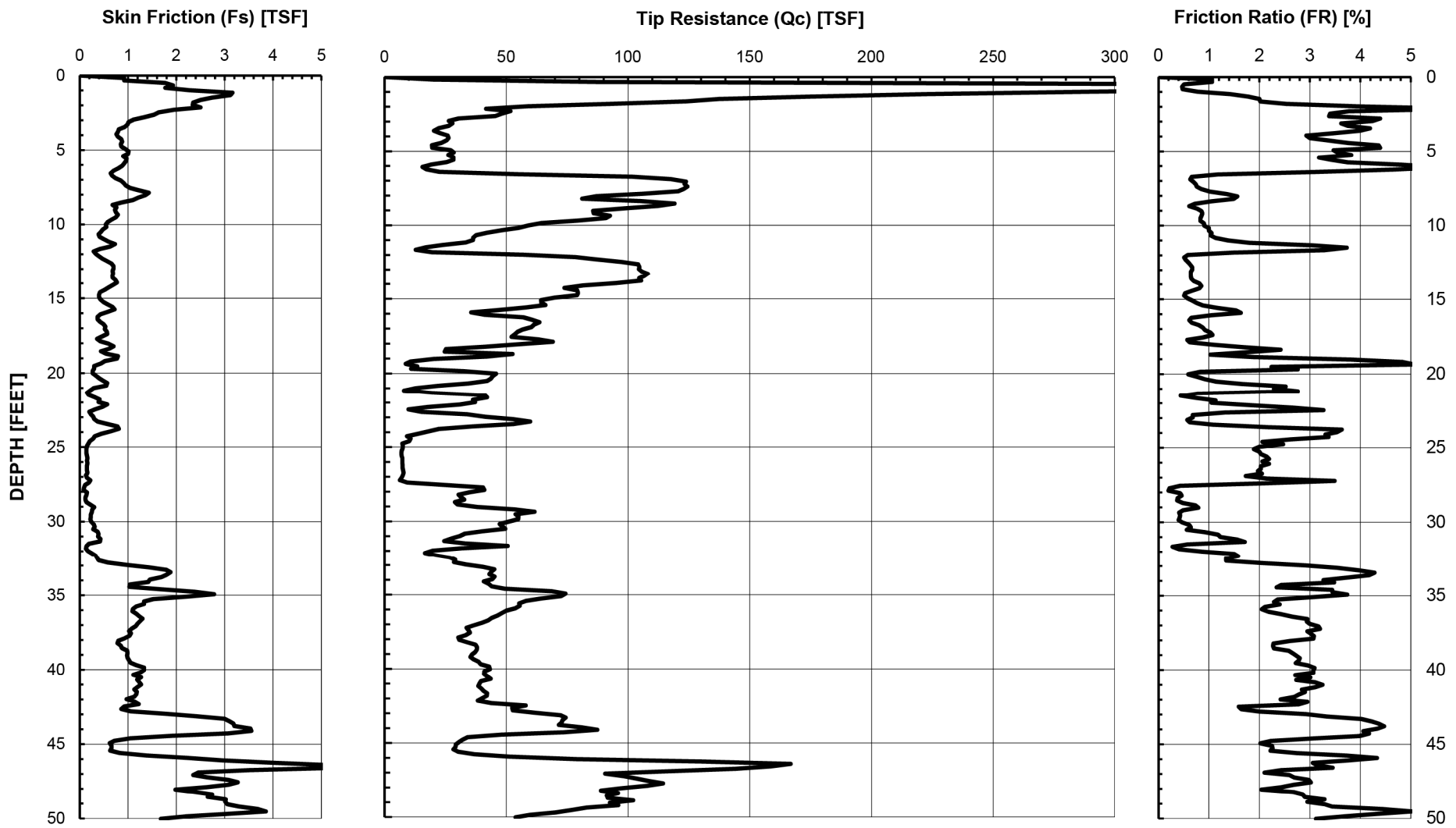
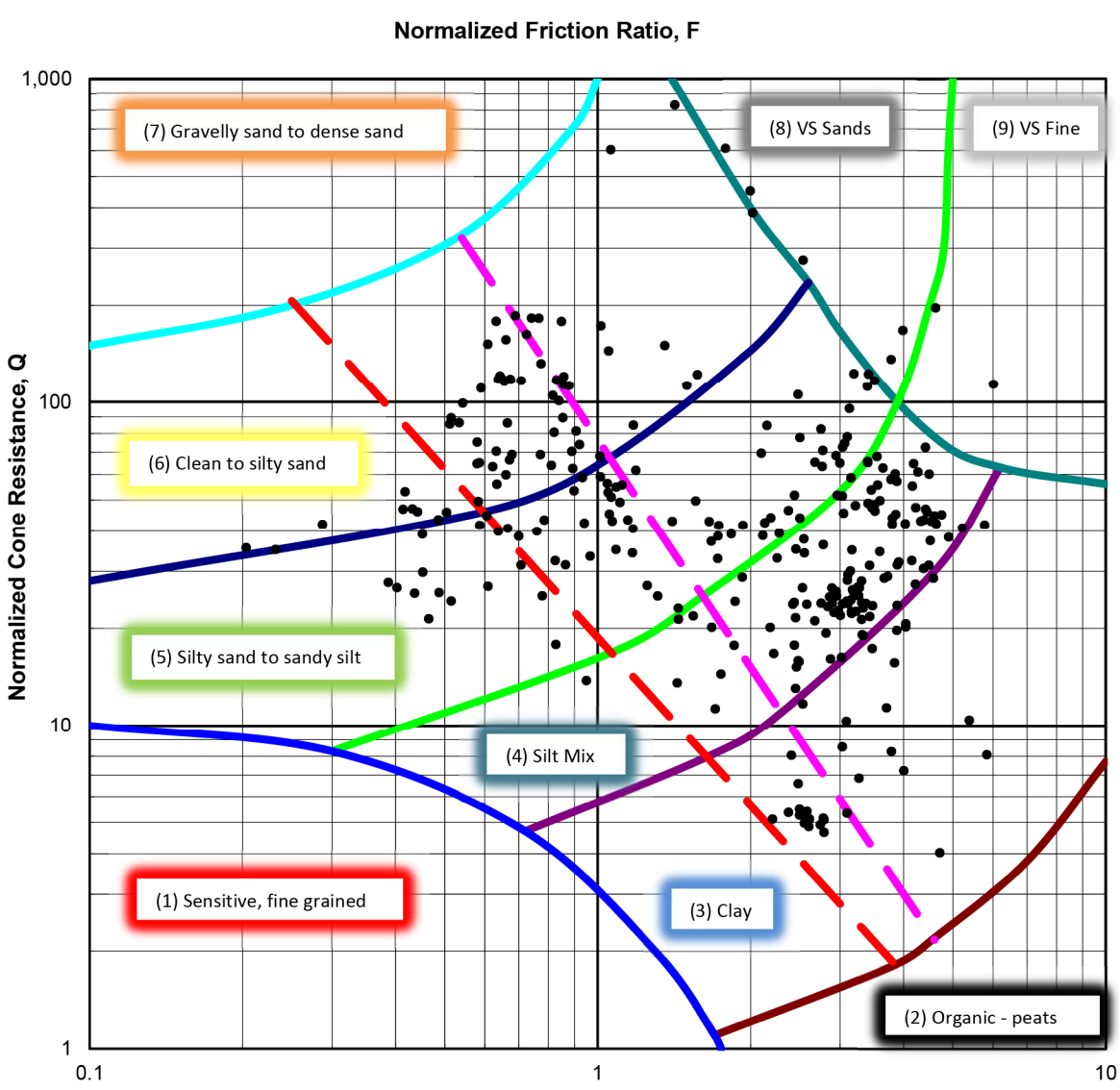
FIGURE
A-1 c

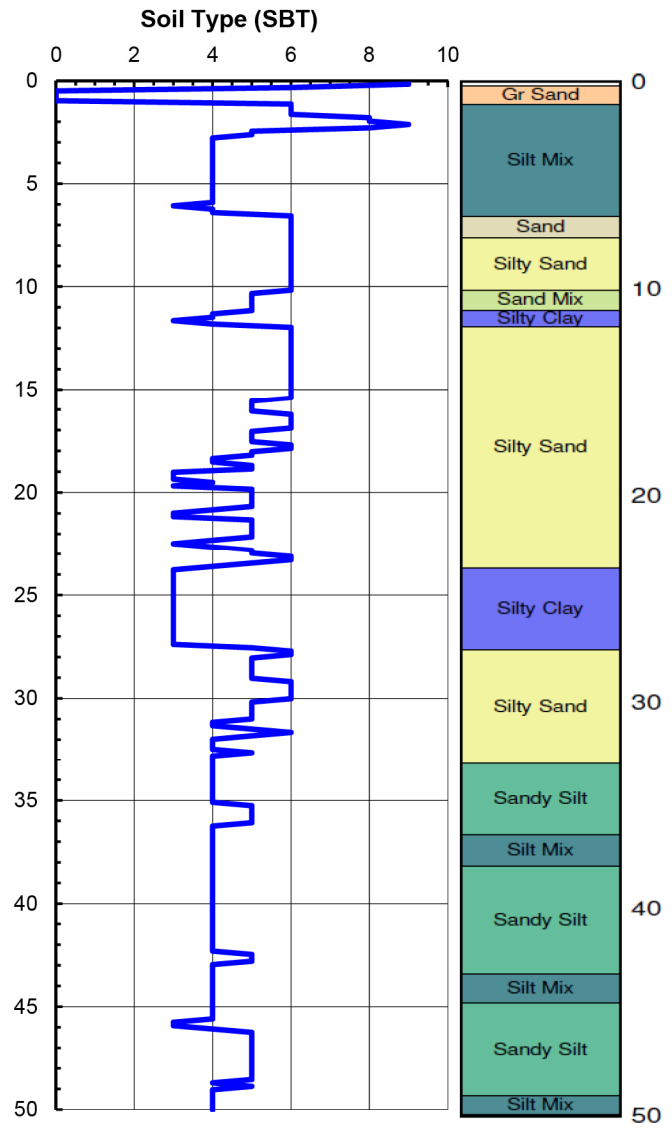


GROUP DELTA

CONE PENETOMETER DATA (CPT-1)

Document No. 16-0033
Project No. SD458
FIGURE A-2a

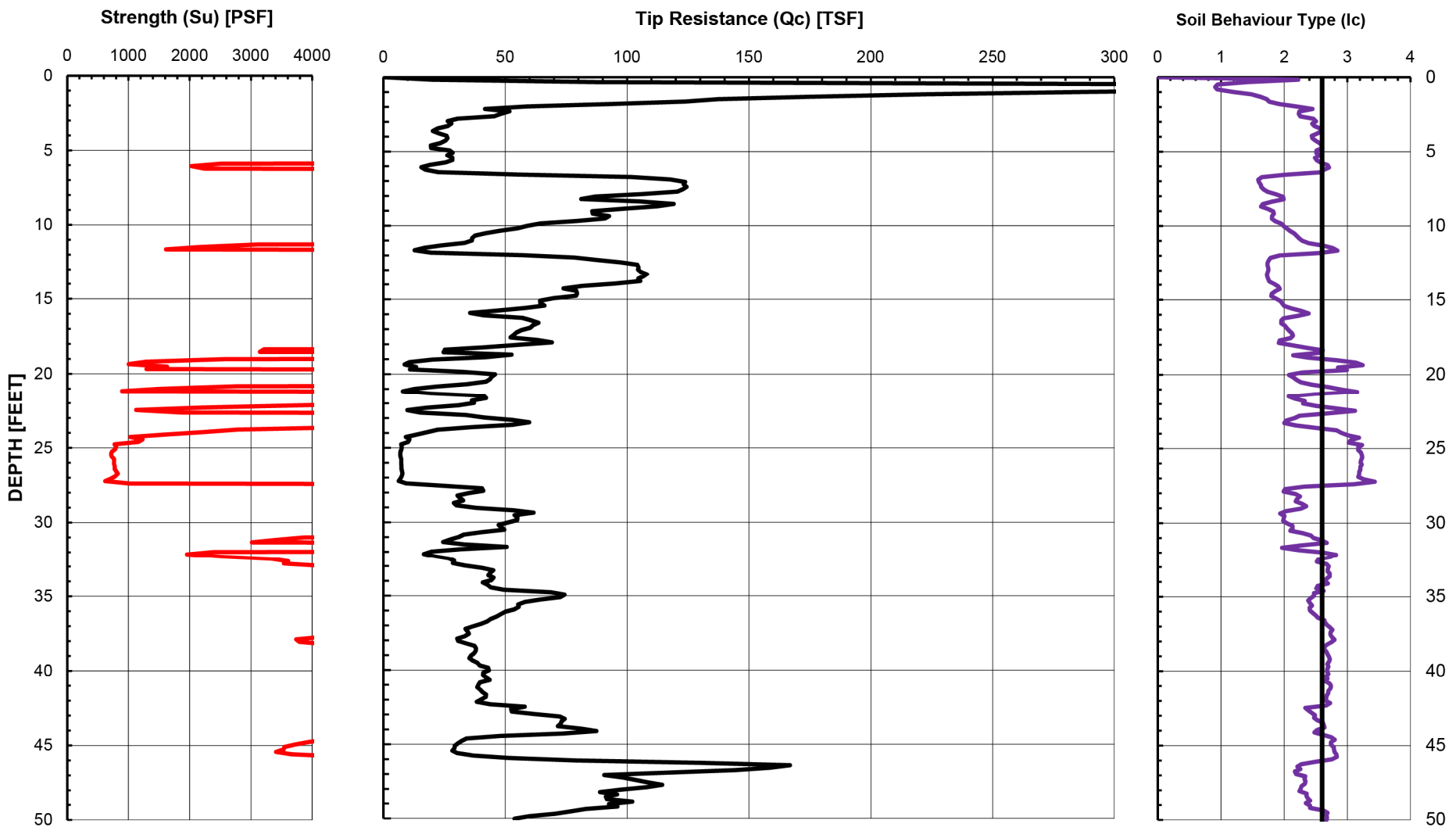




GROUP DELTA

SOIL CLASSIFICATION (CPT-1)

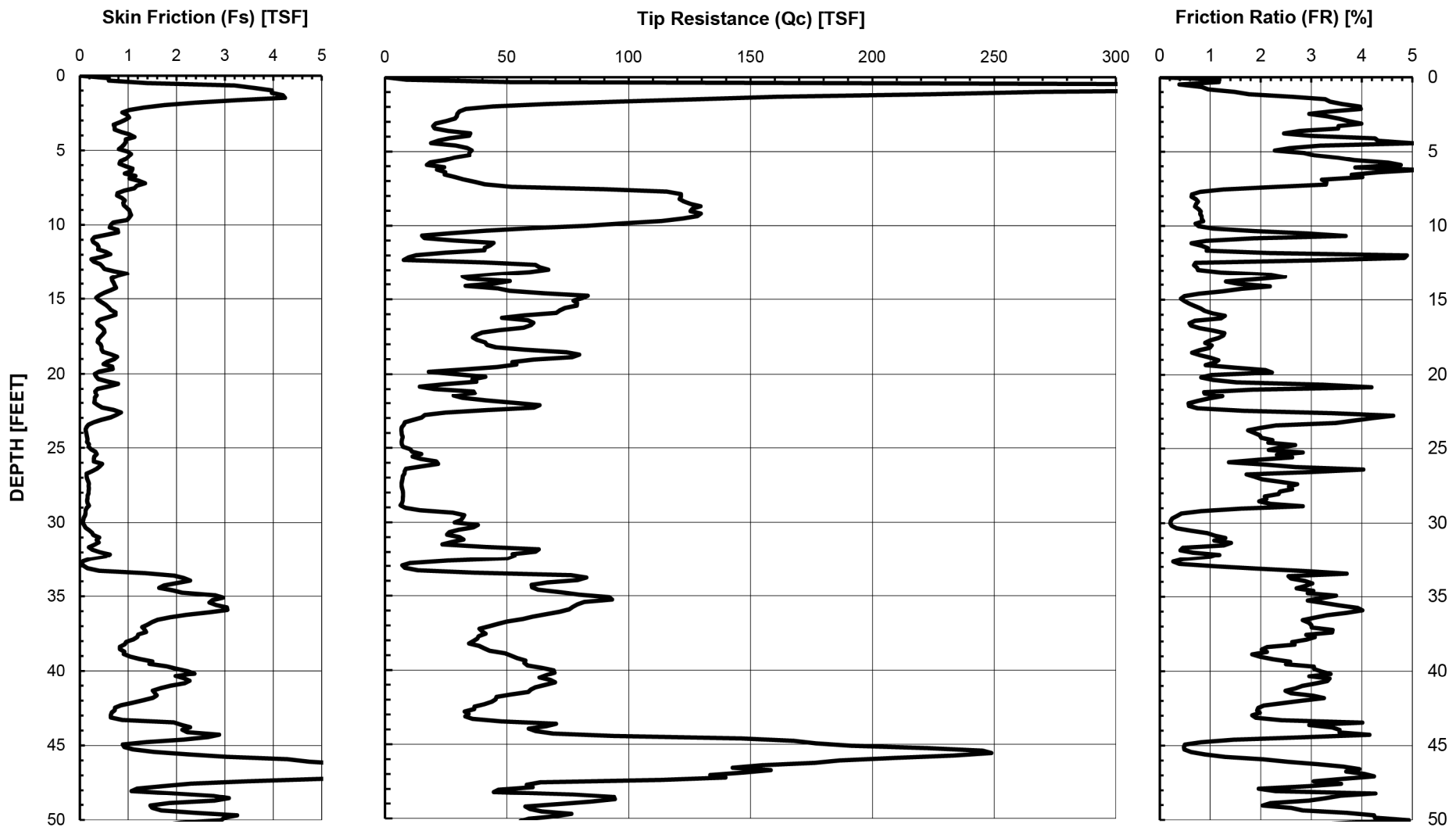
Document No. 16-0033
Project No. SD458
FIGURE A-2b



GROUP DELTA

INTERPRETED SOIL DATA (CPT-1)

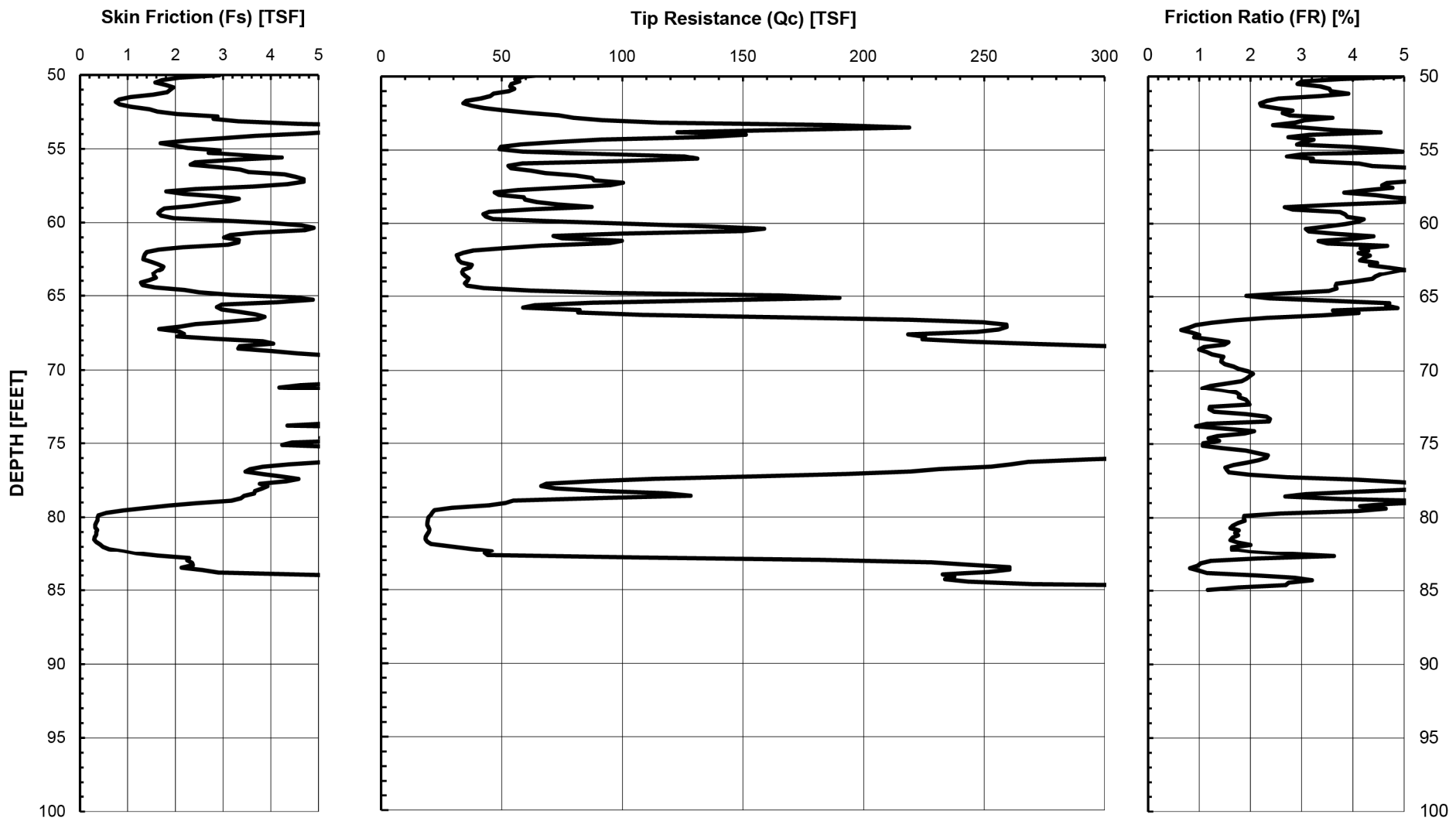
Document No. 16-0033
Project No. SD458
FIGURE A-2c



GROUP DELTA

CONE PENETOMETER DATA (CPT-2)

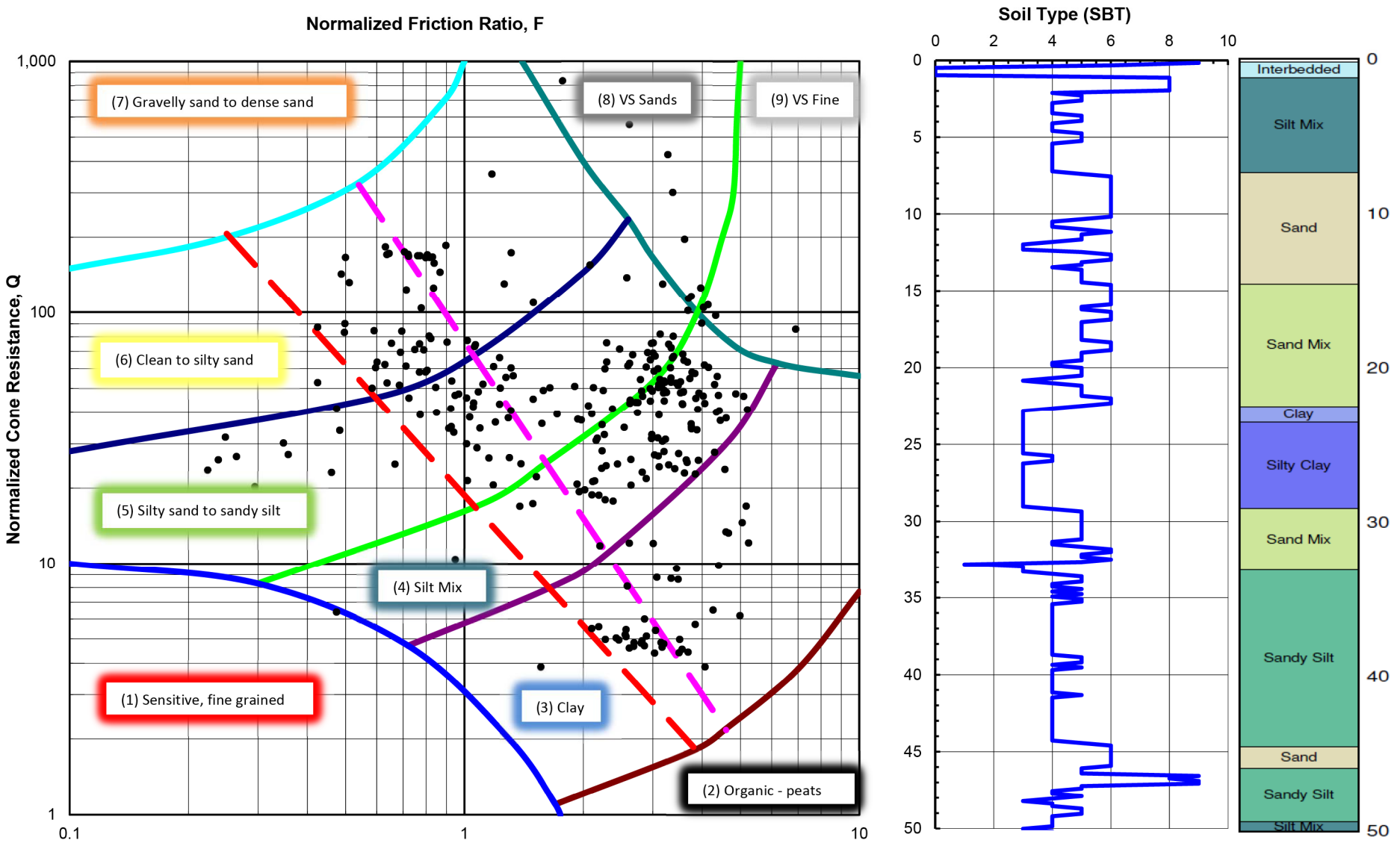
Document No. 16-0033
Project No. SD458
FIGURE A-3a



GROUP DELTA

CONE PENETOMETER DATA (CPT-2)

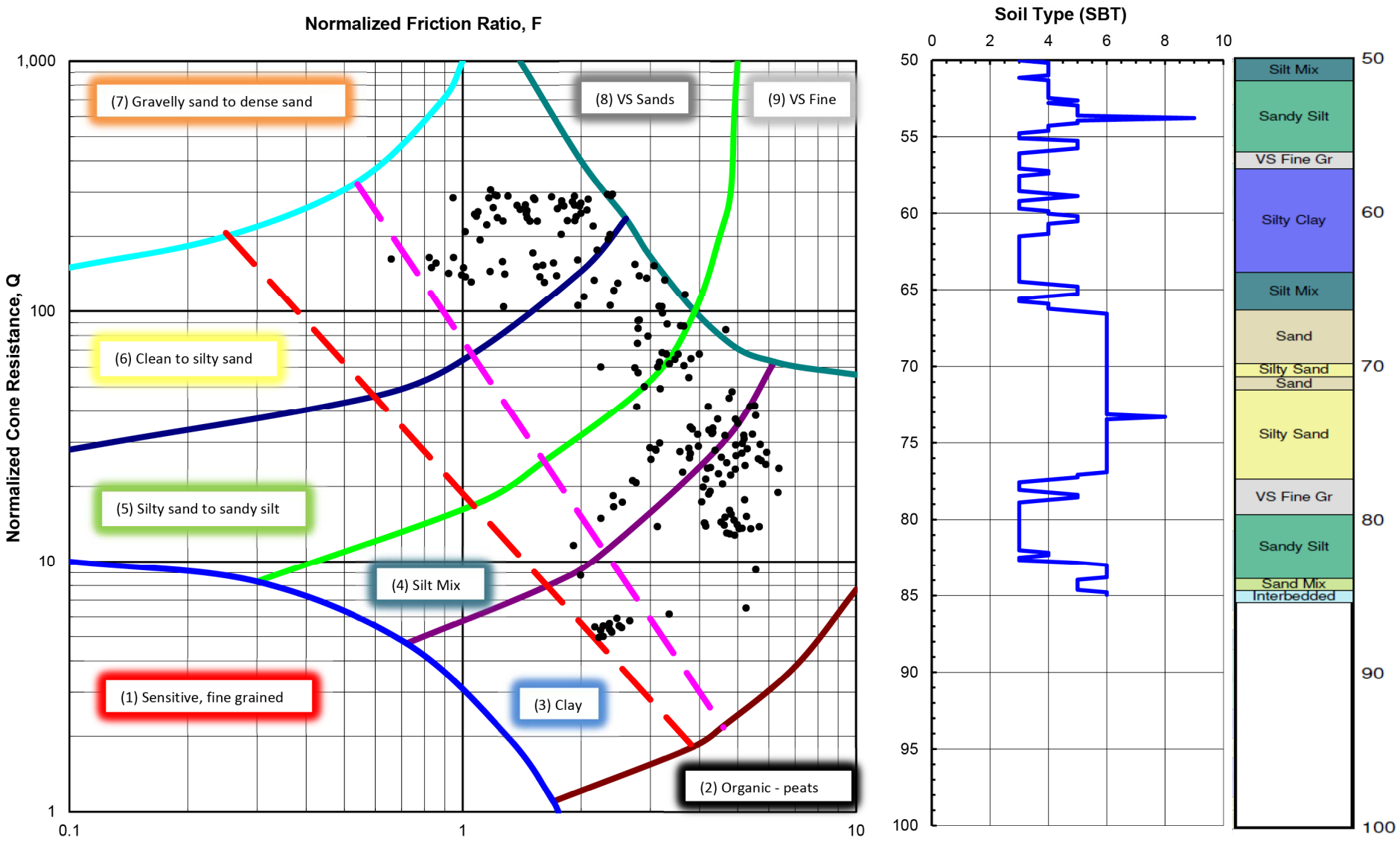
Document No. 16-0033
Project No. SD458
FIGURE A-3a



GROUP DELTA

SOIL CLASSIFICATION (CPT-2)

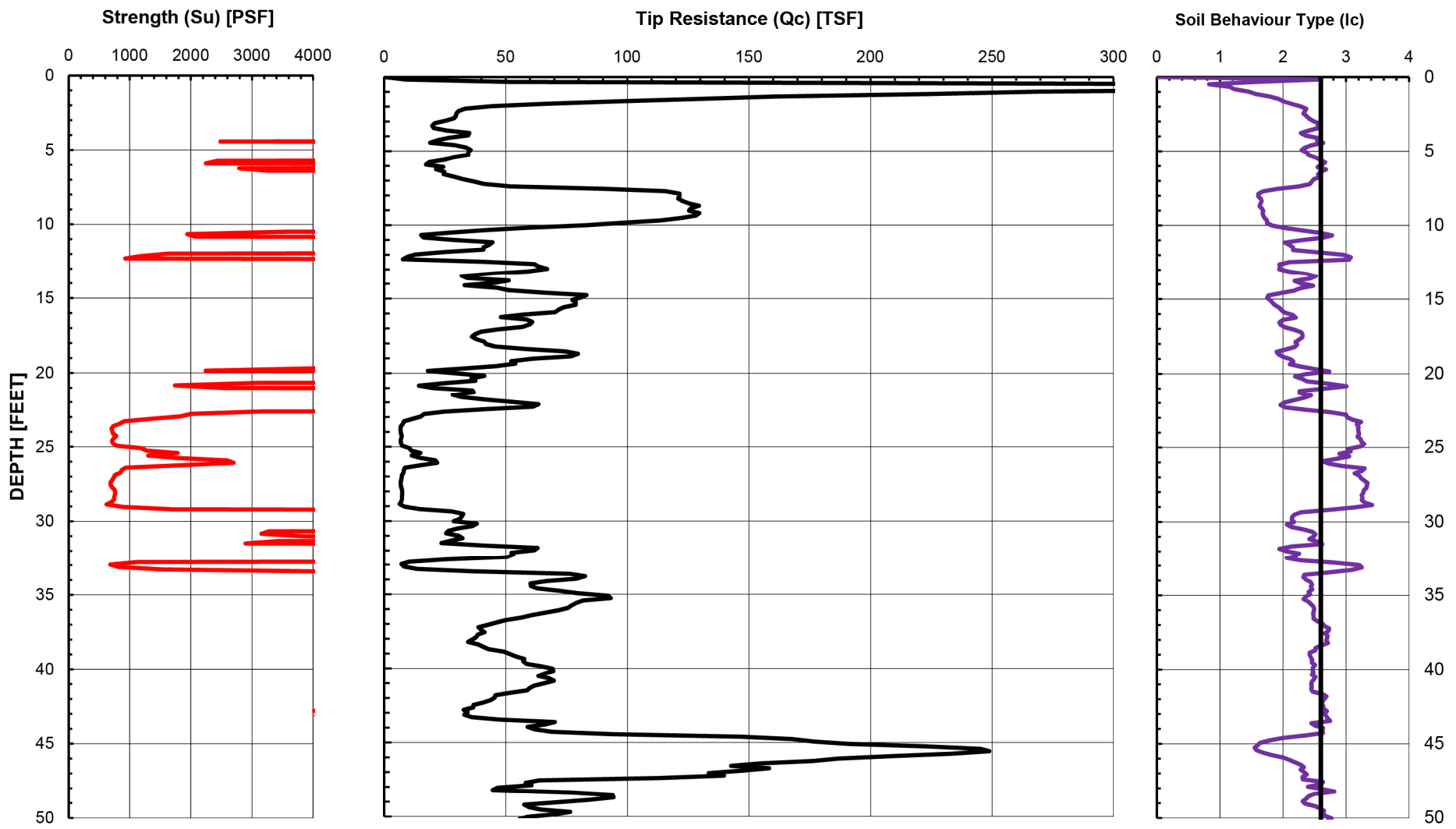
Document No. 16-0033
Project No. SD458
FIGURE A-3b



GROUP DELTA

SOIL CLASSIFICATION (CPT-2)

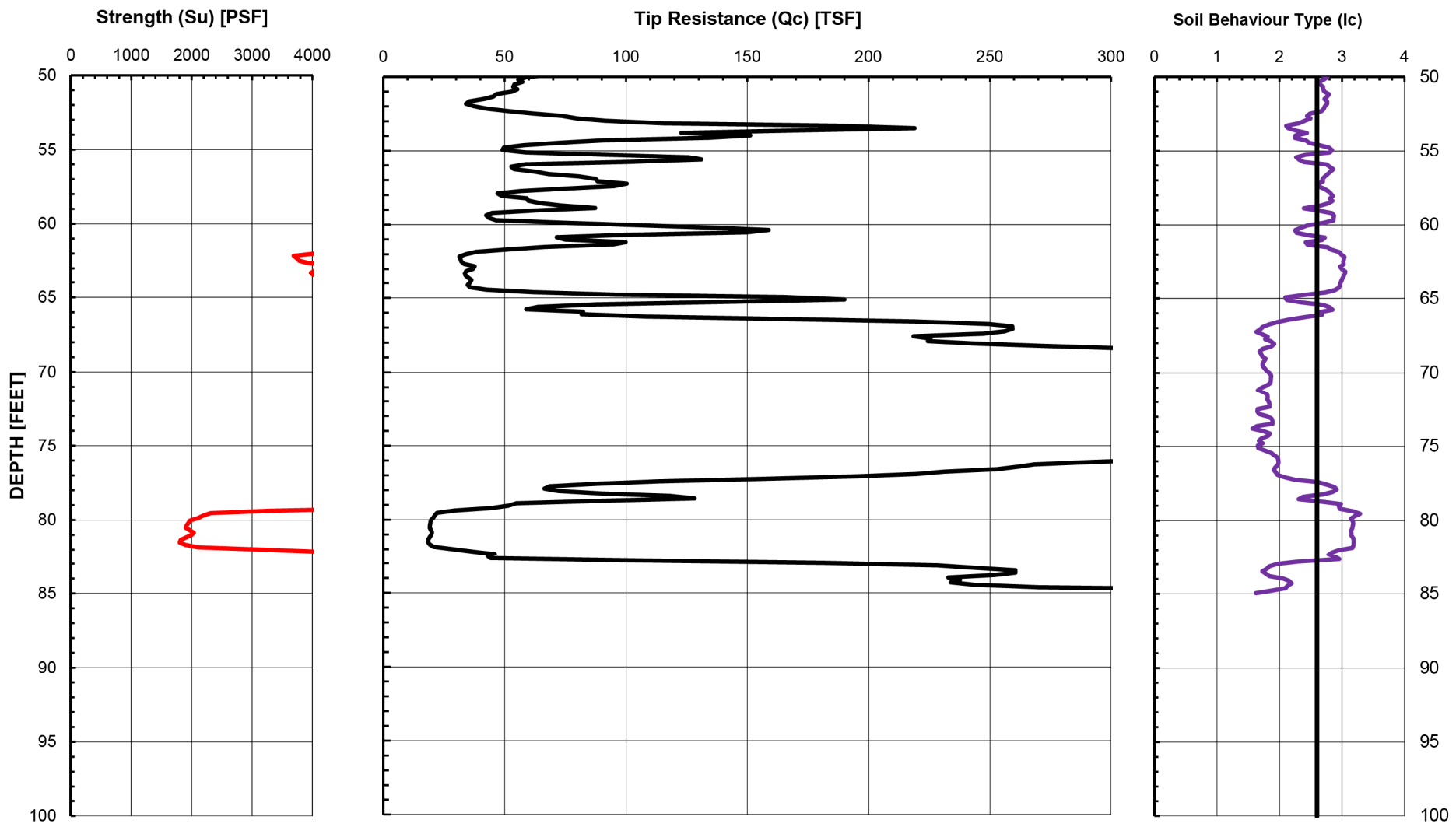
Document No. 16-0033
Project No. SD458
FIGURE A-3b



GROUP DELTA

INTERPRETED SOIL DATA (CPT-2)

Document No. 16-0033
Project No. SD458
FIGURE A-3c



GROUP DELTA

INTERPRETED SOIL DATA (CPT-2)

Document No. 16-0033
Project No. SD458
FIGURE A-3c

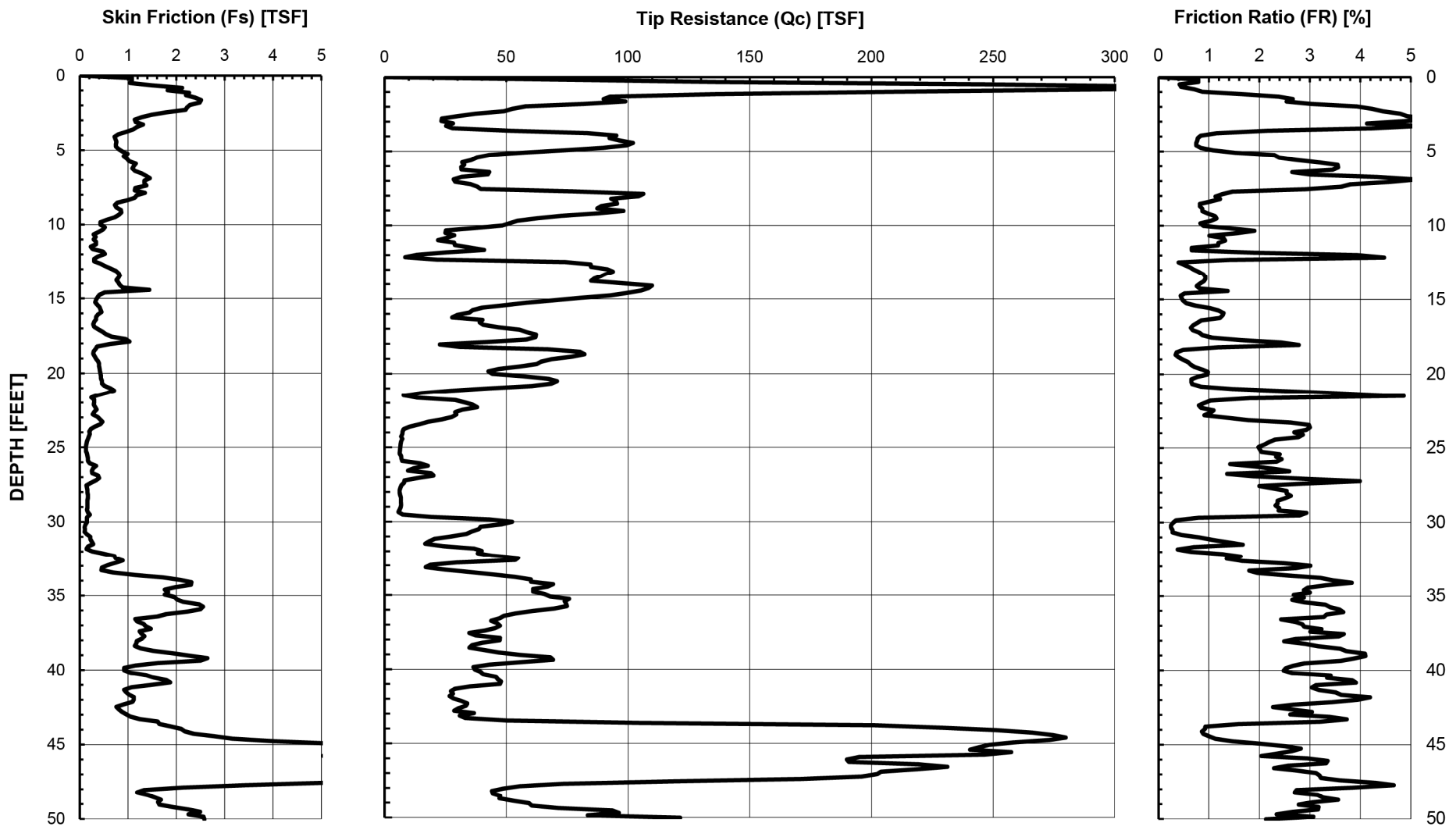
1170 Water St
San Diego, CA

CPT Shear Wave Measurements

CPT-2	Tip Depth (ft)	Geophone Depth (ft)	Travel Distance (ft)	S-Wave Arrival (msec)	S-Wave Velocity from Surface (ft/sec)	Interval S-Wave Velocity (ft/sec)
	5.10	4.10	6.47	6.03	1072.32	
	10.07	9.07	10.36	13.91	744.56	493.76
	15.11	14.11	14.97	22.10	677.36	563.23
	20.04	19.04	19.69	31.22	630.54	517.09
	25.01	24.01	24.53	42.21	581.03	440.36
	30.09	29.09	29.52	53.73	549.35	433.29
	35.09	34.09	34.45	60.20	572.34	763.24
	40.16	39.16	39.48	63.89	617.90	1361.30
	45.03	44.03	44.31	67.41	657.37	1373.60
	50.14	49.14	49.39	71.21	693.63	1337.03
	55.03	54.03	54.26	74.84	725.02	1340.81
	60.00	59.00	59.21	78.84	751.03	1237.66
	65.05	64.05	64.24	84.14	763.55	949.69
	70.10	69.10	69.28	88.90	779.31	1057.94
	75.06	74.06	74.23	92.56	801.95	1351.89
	80.15	79.15	79.31	100.32	790.55	654.53
	85.03	84.03	84.18	105.52	797.75	936.70

Shear Wave Source Offset = 5 ft

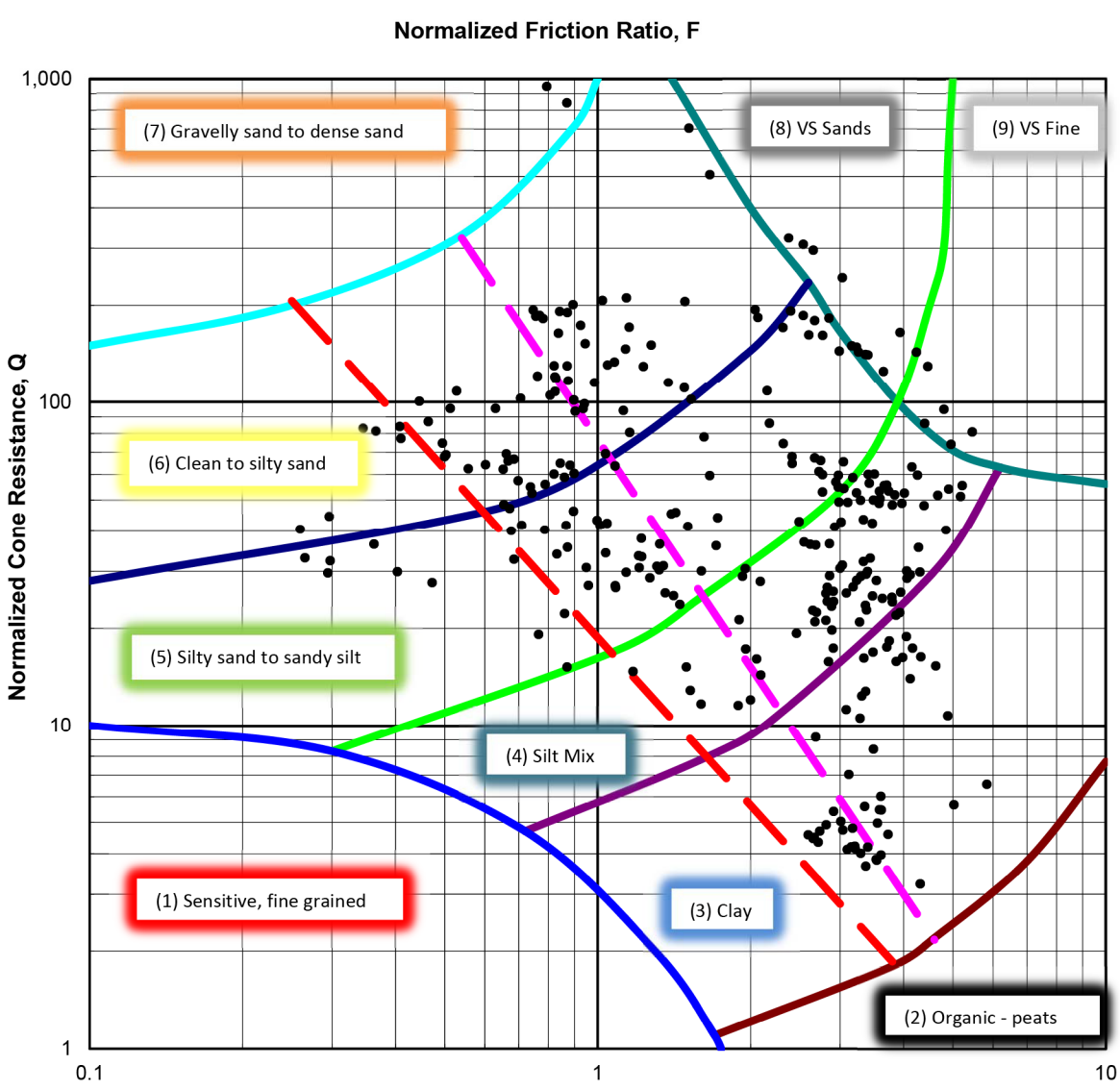
S-Wave Velocity from Surface = Travel Distance/S-Wave Arrival
Interval S-Wave Velocity = (Travel Dist2-Travel Dist1)/(Time2-Time1)

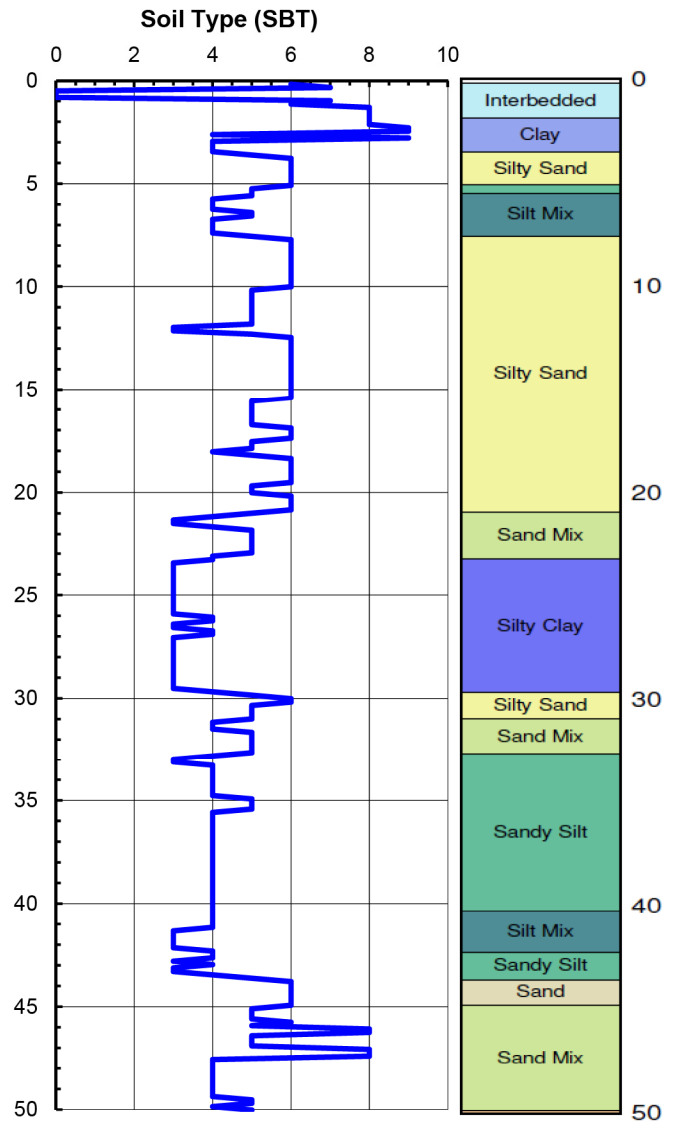


GROUP DELTA

CONE PENETOMETER DATA (CPT-3)

Document No. 16-0033
Project No. SD458
FIGURE A-4a

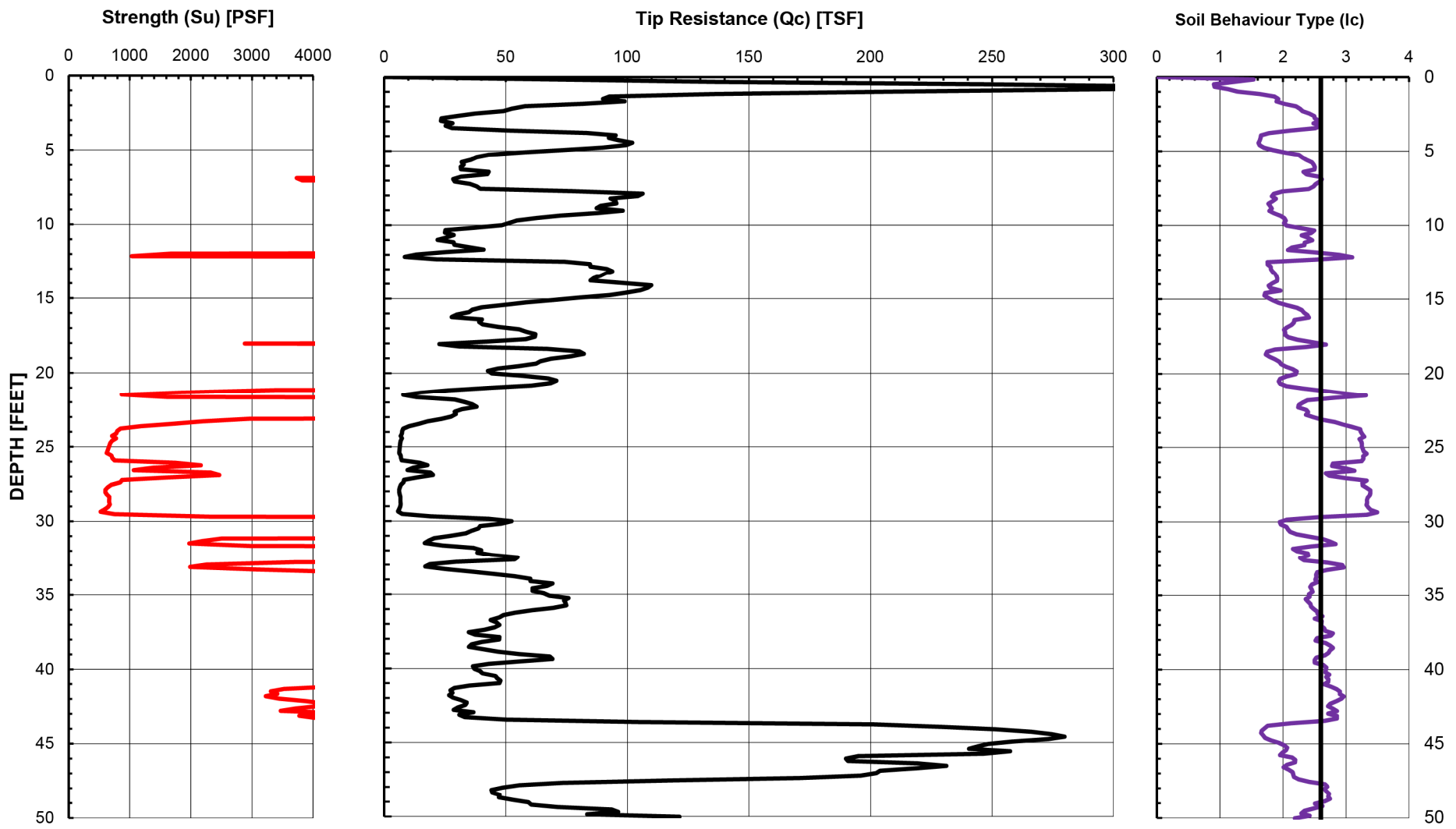




GROUP DELTA

SOIL CLASSIFICATION (CPT-3)

Document No. 16-0033
Project No. SD458
FIGURE A-4b



GROUP DELTA

INTERPRETED SOIL DATA (CPT-3)

Document No. 16-0033
Project No. SD458
FIGURE A-4c

APPENDIX B
LABORATORY TESTING

APPENDIX B

LABORATORY TESTING

Laboratory testing was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions and in the same locality. No warranty, express or implied, is made as to the correctness or serviceability of the test results, or the conclusions derived from these tests. Where a specific laboratory test method has been referenced, such as ASTM or Caltrans, the reference only applies to the specified laboratory test method, which has been used only as a guidance document for the general performance of the test and not as a "Test Standard". A brief description of the various tests performed for this project follows.

Classification: Soils were visually classified according to the Unified Soil Classification System as established by the American Society of Civil Engineers per ASTM D2487. The soil classifications are shown on the boring logs in Appendix A.

Particle Size Analysis: Particle size analyses were performed in accordance with ASTM D422, and were used to supplement visual classifications. The test results are shown in Figures B-1.1 to B-1.6.

Atterberg Limits: ASTM D4318 was used to determine the liquid limit and plasticity index of selected samples. The results are shown in Figures B-1.1 and B-1.6.

Expansion Index: The expansion potential of selected soil samples was estimated in general accordance with ASTM D4829. The test results are summarized in Figure B-2, along with a summary of previous expansion index tests conducted by others. Figure B-2 also presents common criteria for evaluating the expansion potential based on the expansion index.

pH and Resistivity: To assess the potential for reactivity with buried metals, selected soil samples were tested for pH and minimum resistivity using Caltrans test method 643. The corrosivity test results are summarized in Figure B-3, along with previous corrosion tests conducted by others.

Sulfate Content: To assess the potential for reactivity with concrete, selected soil samples were tested for water soluble sulfate. The sulfate was extracted from the soil under vacuum using a 10:1 (water to dry soil) dilution ratio. The extracted solution was tested for water soluble sulfate in general accordance with ASTM D516. The test results are also presented in Figure B-3, along with common criteria for evaluating soluble sulfate content.

Chloride Content: Soil samples were also tested for water soluble chloride. The chloride was extracted from the soil under vacuum using a 10:1 (water to dry soil) dilution ratio. The extracted solution was then tested for water soluble chloride using a calibrated ion specific electronic probe. The test results are also shown in Figure B-3.

APPENDIX B

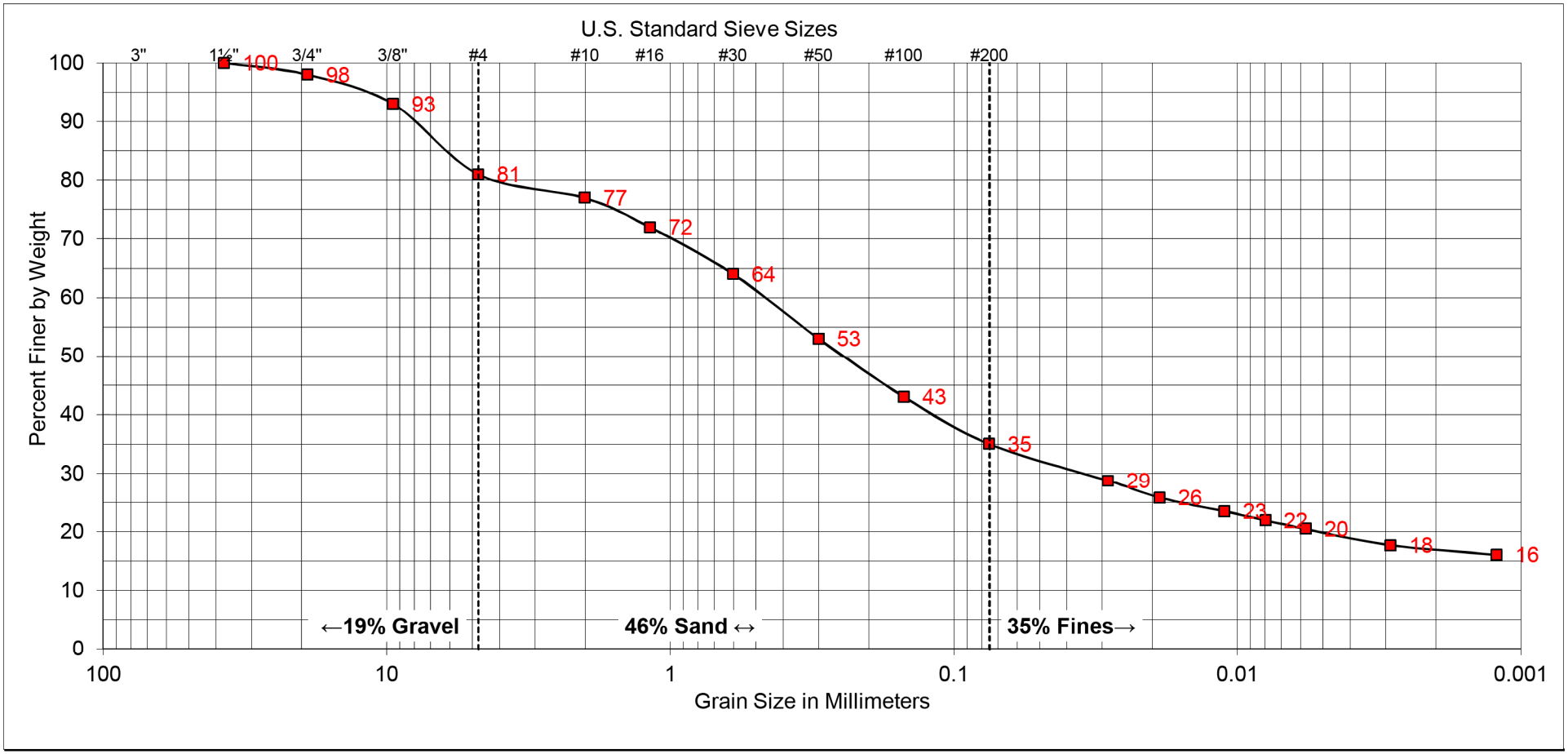
LABORATORY TESTING (Continued)

Specific Gravity: The bulk specific gravity of a selected sample of the on-site soil was assessed in general accordance with ASTM D854. The test results are provided in Figure B-4.

Direct Shear: The shear strength of the on-site soil was assessed using direct shear testing performed in general accordance with ASTM D3080. The test results are shown in Figure B-5.

Consolidation: The one-dimensional consolidation properties of a selected sample of the hydraulic fill were evaluated in general accordance with ASTM D2435. The sample was inundated with water under a nominal seating load, allowed to swell, and then subjected to controlled stress increments while restrained laterally and drained axially. The test results are presented in Figure B-6.

R-Value: An R-Value test was performed on a selected sample of the on-site soils in general accordance with CTM 301. The test results are shown in Figures B-7.1 and B-7.2.



COARSE	FINE	COARSE	MEDIUM	FINE	SILT AND
GRAVEL		SAND			CLAY

SAMPLE	
BORING NUMBER:	B-1
SAMPLE DEPTH:	1' - 4'

UNIFIED SOIL CLASSIFICATION: SC

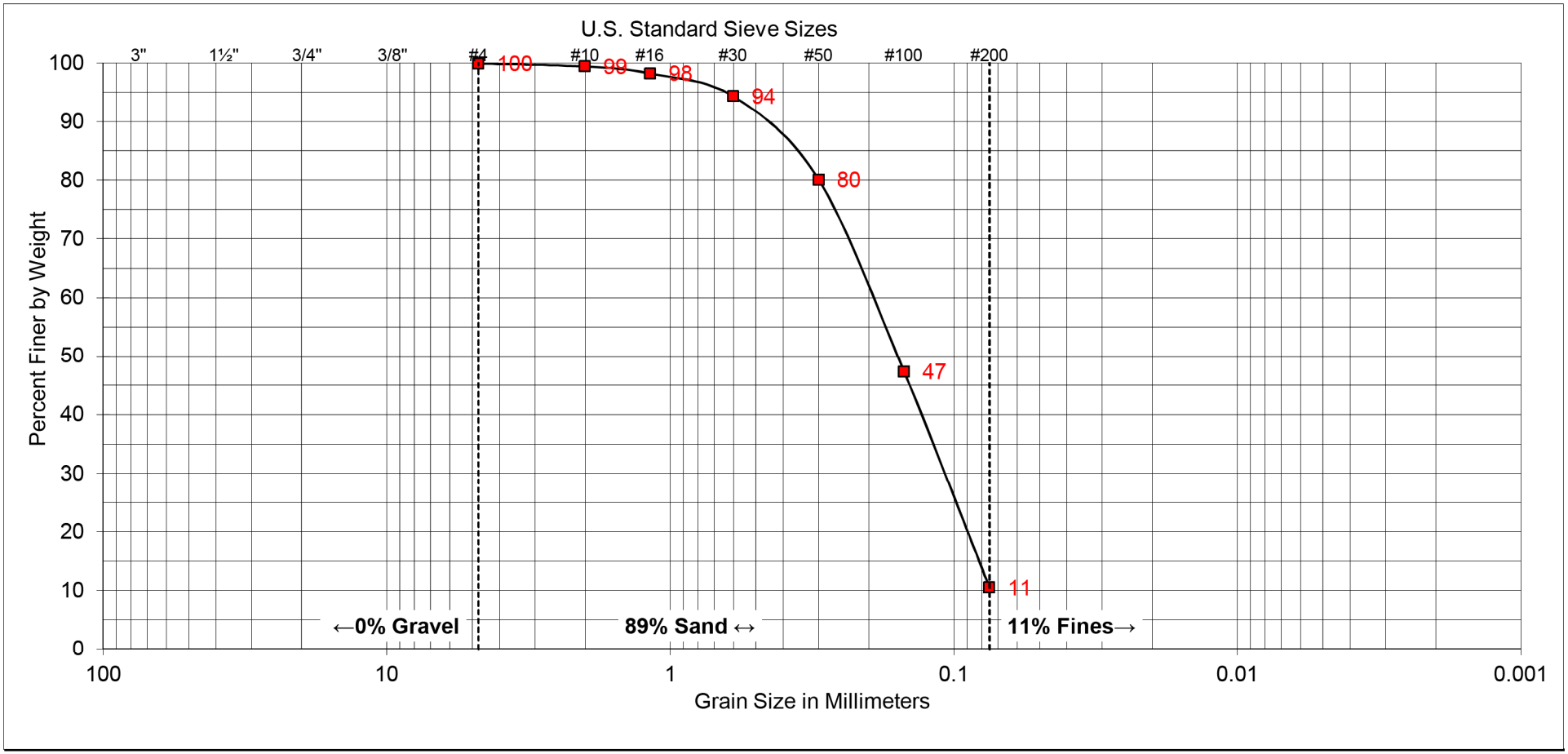
DESCRIPTION: CLAYEY SAND WITH GRAVEL

ATTERBERG LIMITS	
LIQUID LIMIT:	35
PLASTIC LIMIT:	13
PLASTICITY INDEX:	22

GROUP DELTA

SOIL CLASSIFICATION

Document No. 16-0033
Project No. SD458
FIGURE B-1.1



COARSE	FINE	COARSE	MEDIUM	FINE	SILT AND
GRAVEL		SAND			CLAY

SAMPLE	
BORING NUMBER:	B-1
SAMPLE DEPTH:	12½' - 14'

UNIFIED SOIL CLASSIFICATION: SP-SM

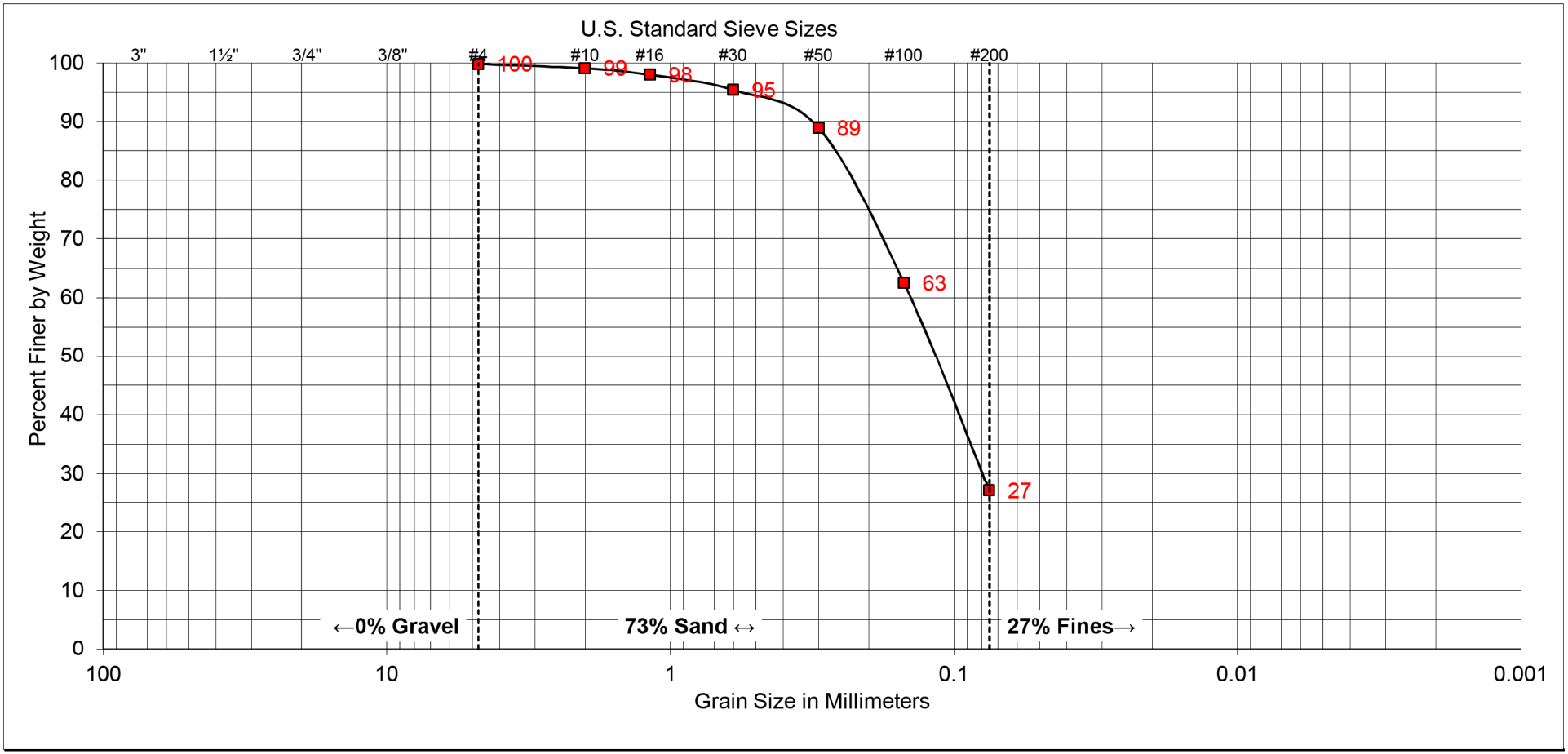
DESCRIPTION: POORLY GRADED SAND WITH SILT

ATTERBERG LIMITS	
LIQUID LIMIT:	---
PLASTIC LIMIT:	---
PLASTICITY INDEX:	---

GROUP DELTA

SOIL CLASSIFICATION

Document No. 16-0033
Project No. SD458
FIGURE B-1.2



COARSE	FINE	COARSE	MEDIUM	FINE	SILT AND
GRAVEL		SAND			CLAY

SAMPLE	
BORING NUMBER:	B-1
SAMPLE DEPTH:	20' - 21½'

UNIFIED SOIL CLASSIFICATION: SM

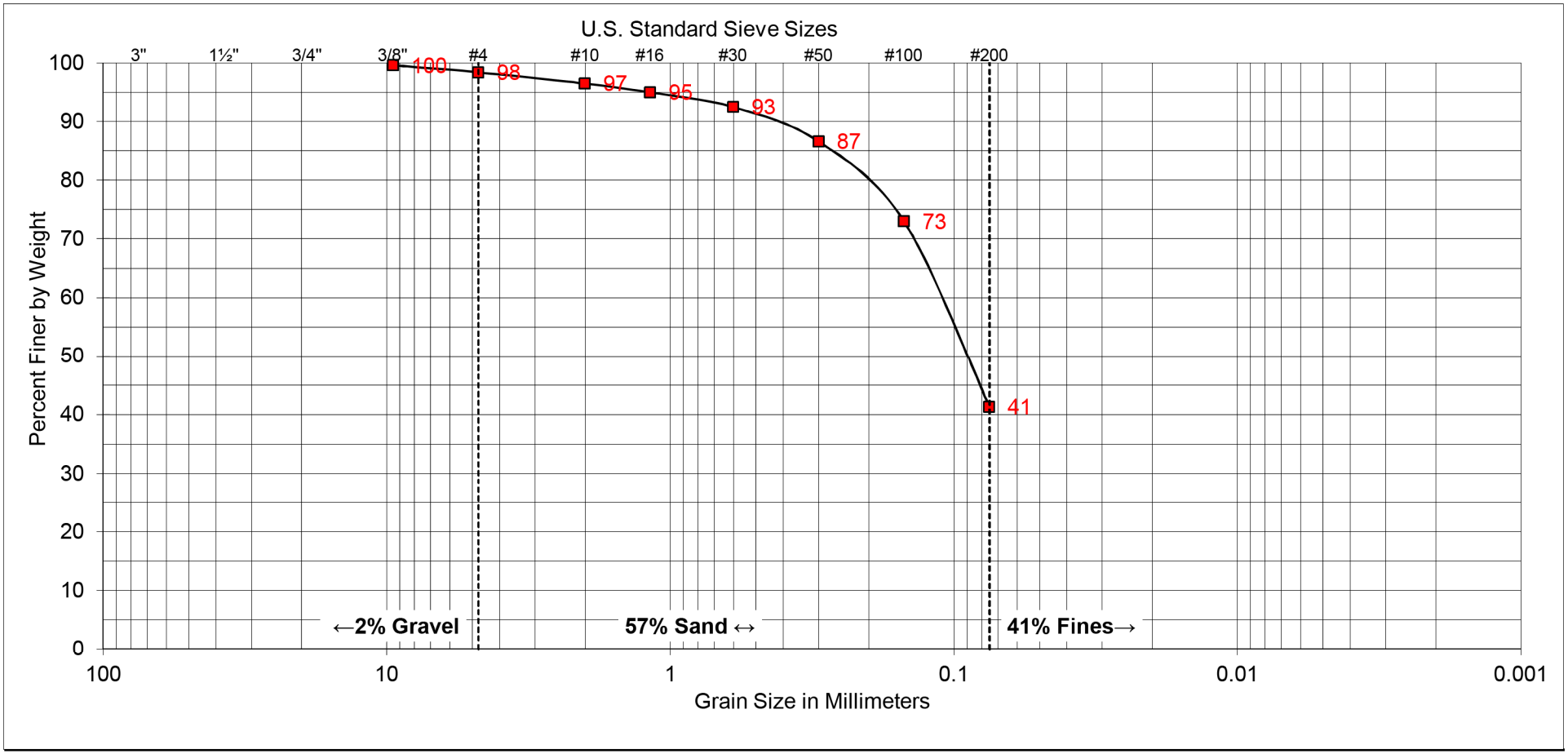
DESCRIPTION: SILTY SAND

ATTERBERG LIMITS	
LIQUID LIMIT:	---
PLASTIC LIMIT:	---
PLASTICITY INDEX:	---

GROUP DELTA

SOIL CLASSIFICATION

Document No. 16-0033
Project No. SD458
FIGURE B-1.3



COARSE	FINE	COARSE	MEDIUM	FINE	SILT AND
GRAVEL		SAND			CLAY

SAMPLE	
BORING NUMBER:	B-1
SAMPLE DEPTH:	30' - 31½'

UNIFIED SOIL CLASSIFICATION: SM

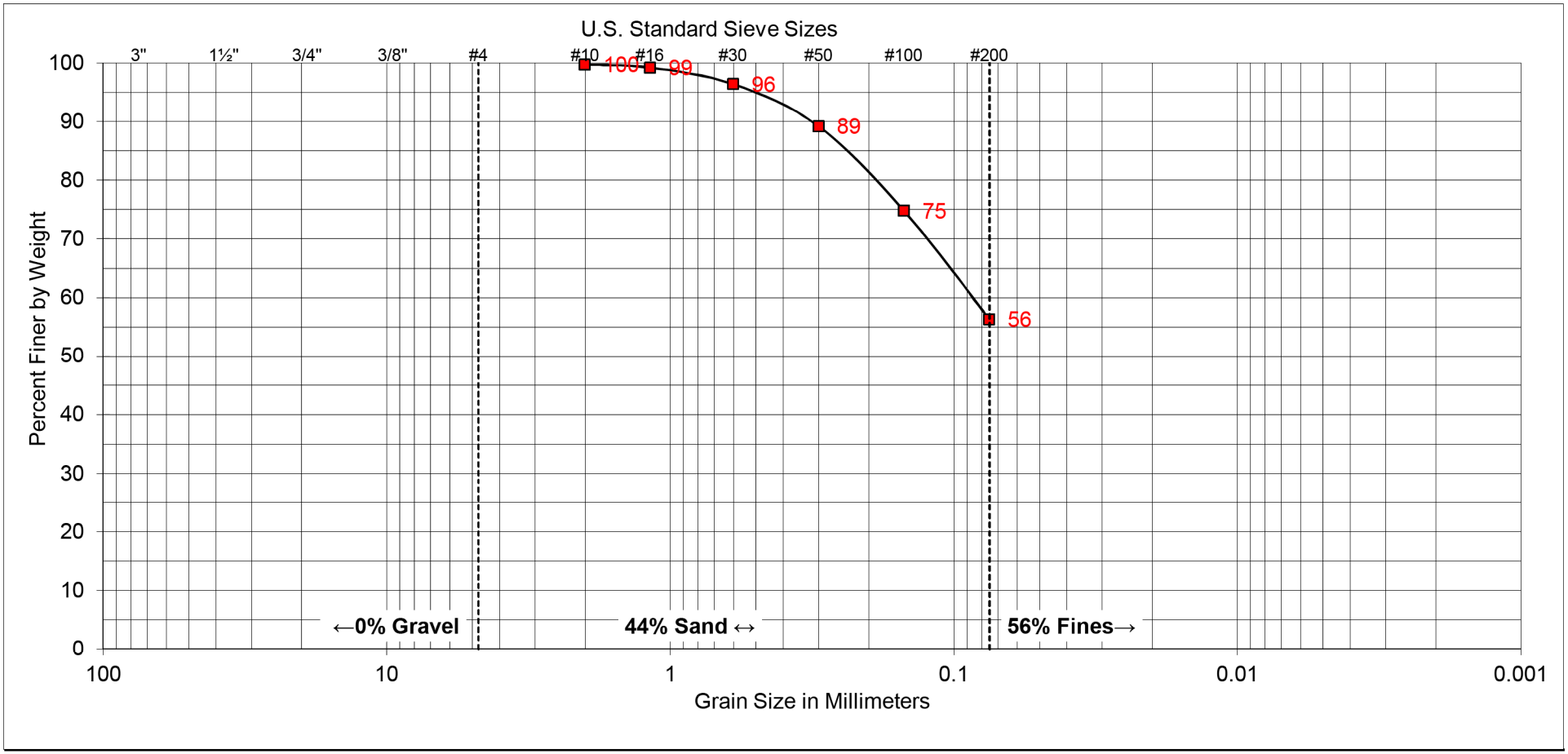
DESCRIPTION: SILTY SAND

ATTERBERG LIMITS	
LIQUID LIMIT:	---
PLASTIC LIMIT:	---
PLASTICITY INDEX:	---

GROUP DELTA

SOIL CLASSIFICATION

Document No. 16-0033
Project No. SD458
FIGURE B-1.4



COARSE	FINE	COARSE	MEDIUM	FINE	SILT AND
GRAVEL		SAND			CLAY

SAMPLE	
BORING NUMBER:	B-1
SAMPLE DEPTH:	40' - 41½'

UNIFIED SOIL CLASSIFICATION: CL

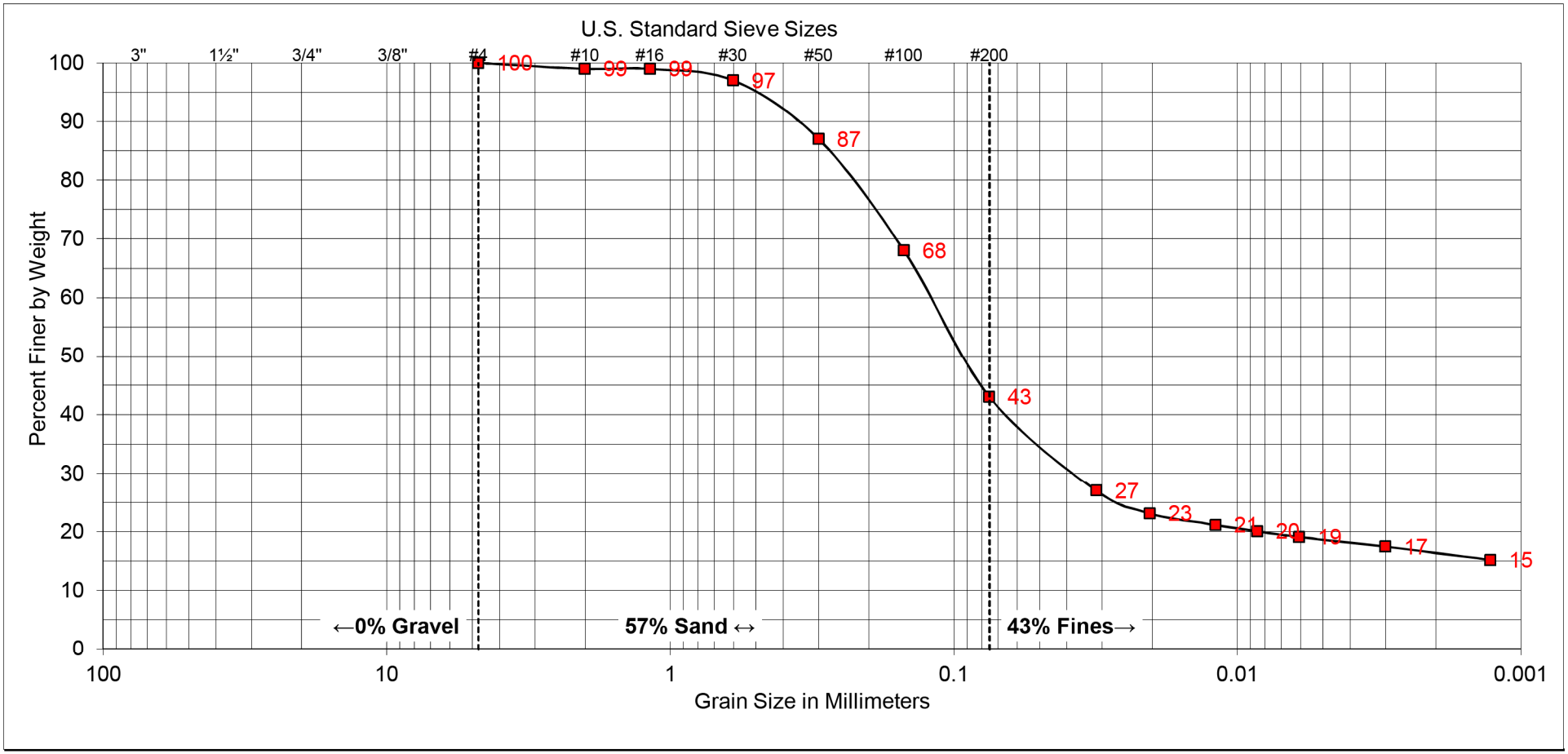
DESCRIPTION: SANDY LEAN CLAY

ATTERBERG LIMITS	
LIQUID LIMIT:	---
PLASTIC LIMIT:	---
PLASTICITY INDEX:	---

GROUP DELTA

SOIL CLASSIFICATION

Document No. 16-0033
Project No. SD458
FIGURE B-1.5



COARSE	FINE	COARSE	MEDIUM	FINE	SILT AND
GRAVEL		SAND			CLAY

SAMPLE	
BORING NUMBER:	B-1
SAMPLE DEPTH:	50' - 51½'

UNIFIED SOIL CLASSIFICATION: SC

DESCRIPTION: CLAYEY SAND

ATTERBERG LIMITS	
LIQUID LIMIT:	25
PLASTIC LIMIT:	17
PLASTICITY INDEX:	8

GROUP DELTA

SOIL CLASSIFICATION

Document No. 16-0033
Project No. SD458
FIGURE B-1.6

EXPANSION TEST RESULTS
(ASTM D4829)

SAMPLE NO.	DESCRIPTION	EXPANSION INDEX
B-1 @ 1' – 4'	**FILL**: Dark yellow brown clayey sand with gravel (SC).	32

EXPANSION INDEX	POTENTIAL EXPANSION
0 to 20	Very low
21 to 50	Low
51 to 90	Medium
91 to 130	High
Above 130	Very High

CORROSIVITY TEST RESULTS
(ASTM D516, CTM 643)

SAMPLE NO.	pH	RESISTIVITY [OHM-CM]	SULFATE CONTENT [%]	CHLORIDE CONTENT [%]
B-1 @ 1' – 4'	9.0	150	0.01	0.30

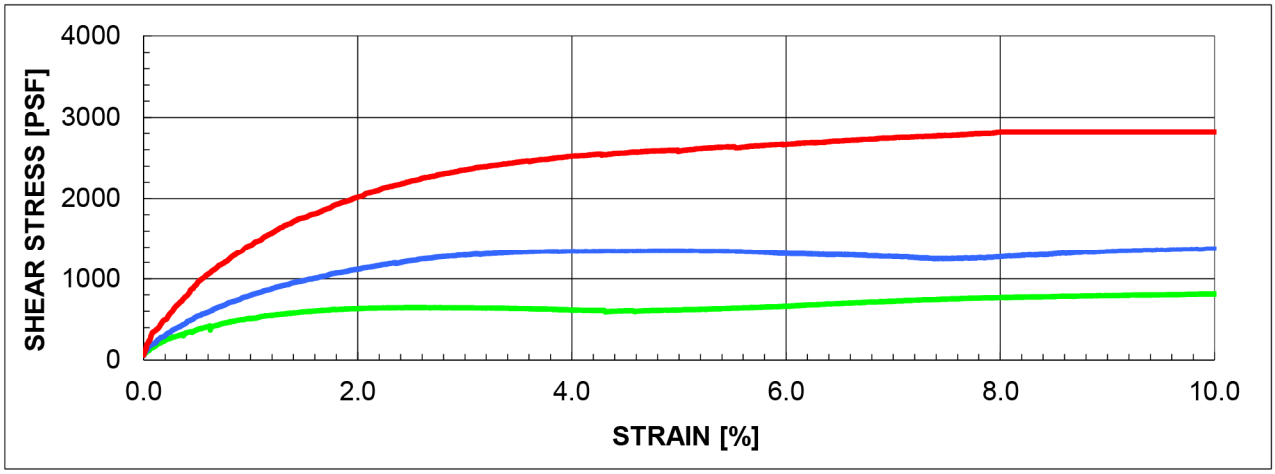
SULFATE CONTENT [%]	SULFATE EXPOSURE	CEMENT TYPE
0.00 to 0.10	Negligible	-
0.10 to 0.20	Moderate	II, IP(MS), IS(MS)
0.20 to 2.00	Severe	V
Above 2.00	Very Severe	V plus pozzolan

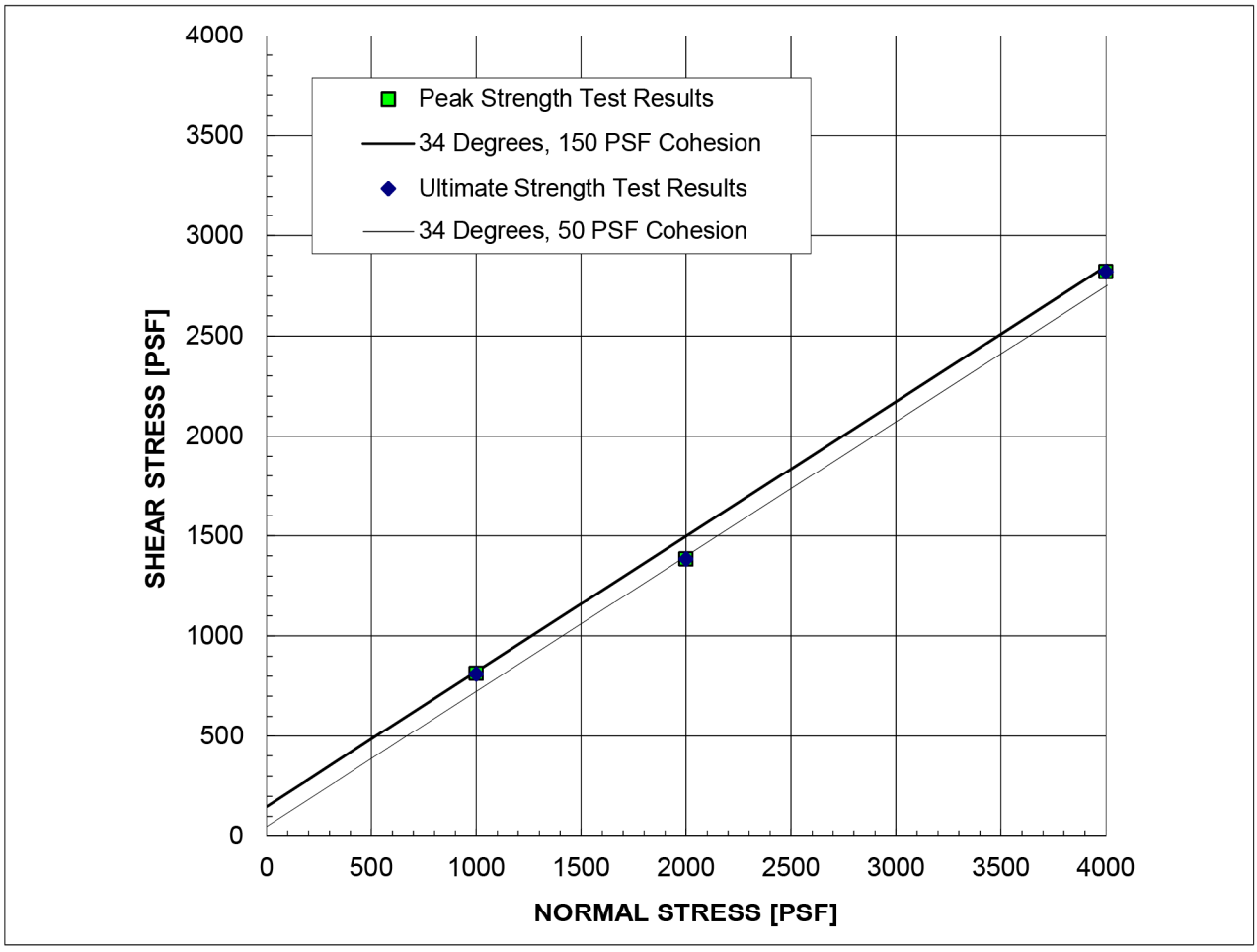
SOIL RESISTIVITY	GENERAL DEGREE OF CORROSIVITY TO FERROUS
0 to 1,000	Very Corrosive
1,000 to 2,000	Corrosive
2,000 to 5,000	Moderately Corrosive
5,000 to 10,000	Mildly Corrosive
Above 10,000	Slightly Corrosive

CHLORIDE (Cl) CONTENT	GENERAL DEGREE OF
0.00 to 0.03	Negligible
0.03 to 0.15	Corrosive
Above 0.15	Severely Corrosive

SPECIFIC GRAVITY TEST RESULTS
(ASTM D854)

SAMPLE NO.	DESCRIPTION	SPECIFIC GRAVITY
B-1 @ 1' – 4'	**FILL**: Dark yellow brown clayey sand with gravel (SC).	2.675





SAMPLE: B-1 @ 15' - 16½'

	PEAK	ULTIMATE
HYDRAULIC FILL: Gray poorly graded sand with silt (SP-SM)	ϕ'	34 °	34 °
	C'	150 PSF	50 PSF

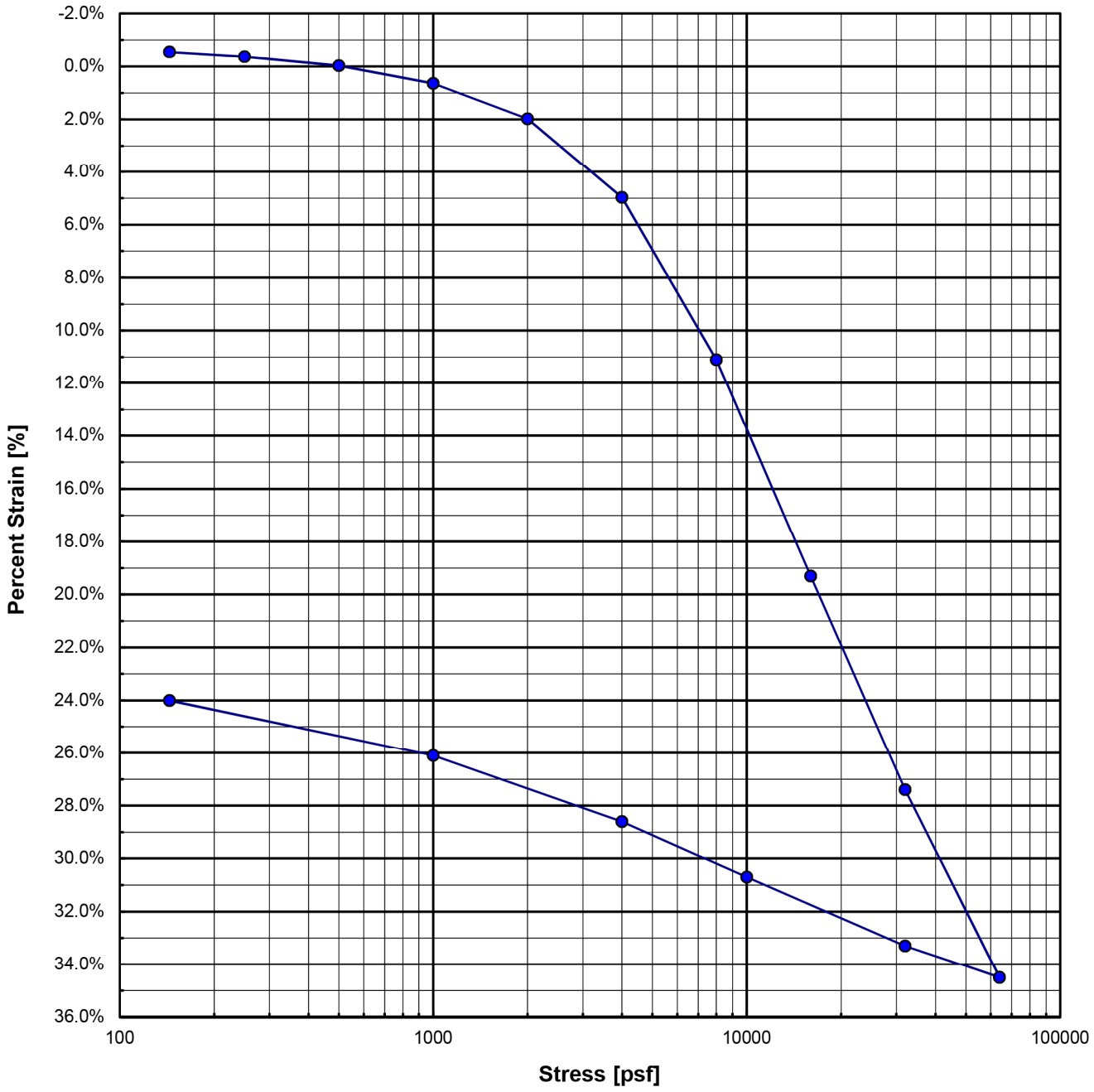
STRAIN RATE: 0.0040 IN/MIN
(Sample was consolidated and drained)

	IN-SITU	AS-TESTED
γ_d	99.6 PCF	99.6 PCF
w_c	26.3 %	26.3 %

GROUP DELTA

DIRECT SHEAR TEST RESULTS

Document No. 16-0033
Project No. SD458
FIGURE B-5



B-1 @ 25' - 26'

INITIAL	FINAL	
1.0000	0.7600	SAMPLE HEIGHT [IN]
65.6	86.3	DRY DENSITY [PCF]
2.76	2.76	SPECIFIC GRAVITY (ASSUMED)
1.64	0.99	VOID RATIO (e)
57.7	36.0	WATER CONTENT [%]
97.1	100.0	DEGREE OF SATURATION [%]

GROUP DELTA

CONSOLIDATION RESULTS

Document No. 16-0033
Project No. SD458
FIGURE B-6

BORING NO.: B-1 **SAMPLE DATE:** 02/24/16

BORING DEPTH: 1' - 4' **TEST DATE:** 03/03/16

SAMPLE DESCRIPTION: Dark yellow brown clayey sand (SC)

LABORATORY TEST DATA

	TEST SPECIMEN	1	2	3	4	5	
A	COMPACTOR PRESSURE	90	75	130			[PSI]
B	INITIAL MOISTURE	1.4	1.4	1.4			[%]
C	BATCH SOIL WEIGHT	1200	1200	1200			[G]
D	WATER ADDED	125	136	105			[ML]
E	WATER ADDED (D*(100+B)/C)	10.6	11.5	8.9			[%]
F	COMPACTION MOISTURE (B+E)	12.0	12.9	10.3			[%]
G	MOLD WEIGHT	2011.0	2010.0	2005.3			[G]
H	TOTAL BRIQUETTE WEIGHT	3210.1	3161.8	3184.1			[G]
I	NET BRIQUETTE WEIGHT (H-G)	1199.1	1151.8	1178.8			[G]
J	BRIQUETTE HEIGHT	2.66	2.58	2.55			[IN]
K	DRY DENSITY (30.3*I/((100+F)*J))	122.0	119.8	127.0			[PCF]
L	EXUDATION LOAD	3799	2561	5390			[LB]
M	EXUDATION PRESSURE (L/12.54)	303	204	430			[PSI]
N	STABILOMETER AT 1000 LBS	60	62	46			[PSI]
O	STABILOMETER AT 2000 LBS	137	141	114			[PSI]
P	DISPLACEMENT FOR 100 PSI	5.43	5.77	4.60			[Turns]
Q	R VALUE BY STABILOMETER	7	6	18			
R	CORRECTED R-VALUE (See Fig. 14)	7	6	18			
S	EXPANSION DIAL READING	0.0000	0.0000	0.0006			[IN]
T	EXPANSION PRESSURE (S*43,300)	0	0	26			[PSF]
U	COVER BY STABILOMETER	0.93	0.94	0.82			[FT]
V	COVER BY EXPANSION	0.00	0.00	0.20			[FT]

TRAFFIC INDEX:	5.0
GRAVEL FACTOR:	1.60
UNIT WEIGHT OF COVER [PCF]:	130
R-VALUE BY EXUDATION:	6
R-VALUE BY EXPANSION:	18
R-VALUE AT EQUILIBRIUM:	6

*Note: Gravel factor estimated from pavement section using CTM 301, Section C, Part b.

REV. 2, DATED 1/31/15

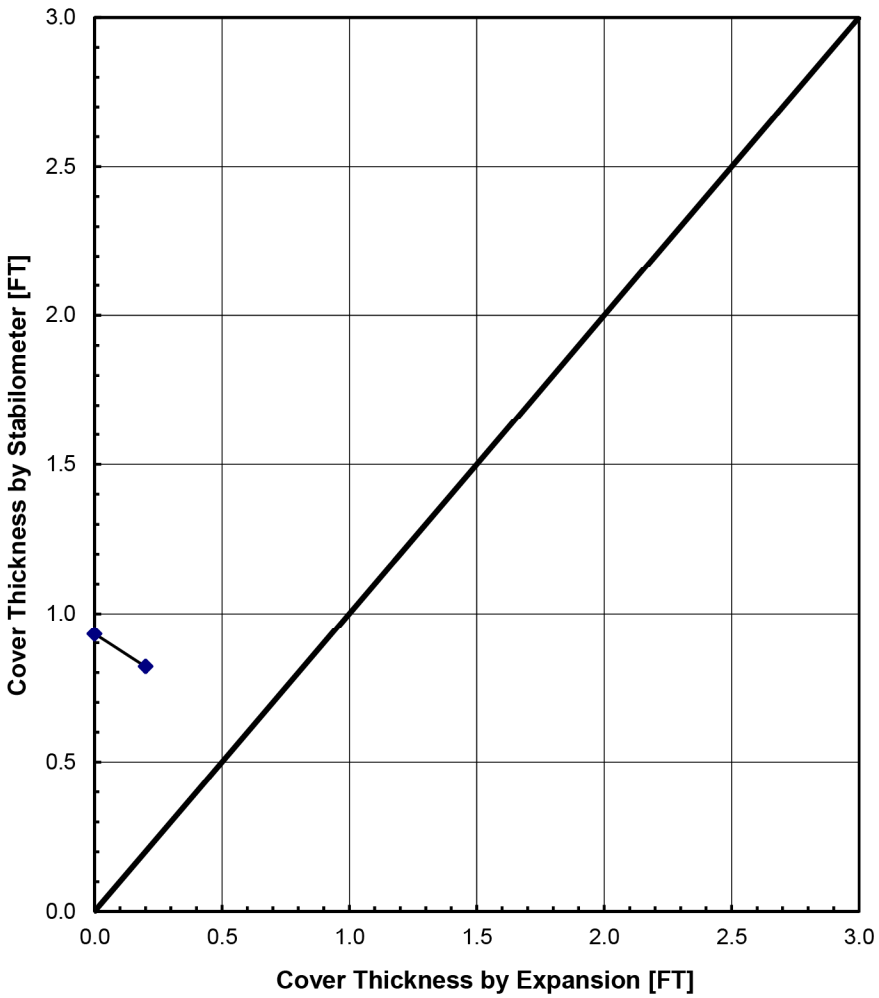
GROUP DELTA

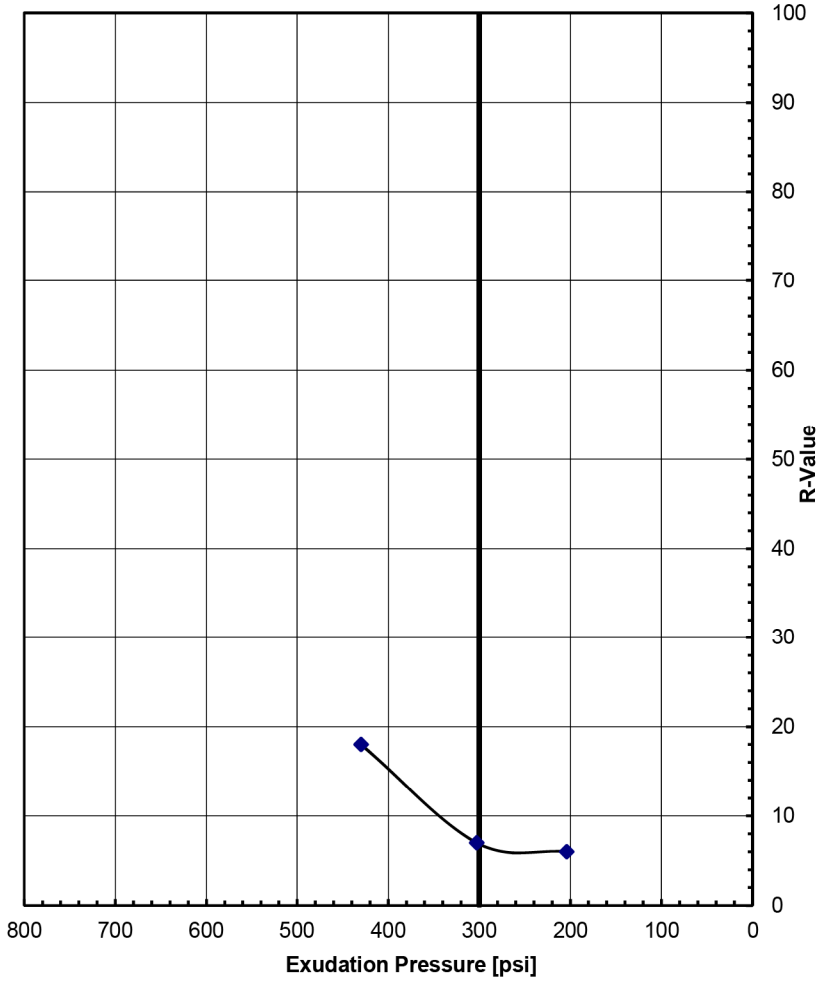
R-VALUE TEST RESULTS

Document No. 16-0033
Project No. SD458
FIGURE B-7.1

Sample: B-1 @ 1' - 4'

R-Value at Equilibrium: 6





GROUP DELTA

COVER AND EXUDATION CHARTS

Document No. 16-0033
Project No. SD458
FIGURE B-7.2

APPENDIX C
ENVIRONMENTAL TESTING

APPENDIX C

ENVIRONMENTAL TESTING

Samples were collected from soundings CPT-1 and CPT-3 for environmental testing (in addition to the geotechnical samples described in Appendix B). Environmental test samples were collected from depths of 5, 10, 15 and 20 feet in both CPT soundings. The approximate CPT locations are shown on the Exploration Plan, Figure 2D. Logs of the explorations were provided in Appendix A.

The environmental test samples were collected in stainless steel containers, and then capped using Teflon lids and sealed with tape. The multiple samples from each test depth were individually labeled, and then sealed as a group in a second plastic bag, and tagged again. These groups of samples were then cooled within an ice chest during storage and transportation. Trip blanks were also stored within the ice chest to check for incidental contamination until the samples were delivered to a certified testing laboratory (Eurofins CalScience) under Chain of Custody.

The groups of samples collected from each depth were tested for environmental contaminants using EPA methods. Each group of samples was tested for Total Petroleum Hydrocarbons (EPA 8015M), Volatile Organic Compounds (EPA 8260B), Title 22 Metals (EPA 8270C), Polychlorinated biphenyls (EPA 8082), Organochloride pesticides (EPA 8081A), Organophosphorus pesticides (EPA 8141A) and Chlorinated Herbicides (EPA 8151A). Samples that were analyzed for volatile constituents were preserved in the field using EPA 5035 methods (Encore). The environmental test results are presented in the following figures of Appendix C.

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WORK ORDER NUMBER: 16-03-0104

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Group Delta Consultants, Inc.

Client Project Name: SD458 Mitsubishi Cement Facility

Attention: Ray Frigillana
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Approved for release on 03/09/2016 by:
Virendra Patel
Project Manager

ResultLink

Email your PM

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Contents

Client Project Name: SD458 Mitsubishi Cement Facility
Work Order Number: 16-03-0104

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Work Order Narrative

Work Order: 16-03-0104 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 03/01/16. They were assigned to Work Order 16-03-0104.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Sample Summary

Client:	Group Delta Consultants, Inc. 9245 Activity Road, Suite 103 San Diego, CA 92126-4442	Work Order:	16-03-0104
		Project Name:	SD458 Mitsubishi Cement Facility
		PO Number:	
		Date/Time Received:	03/01/16 18:40
		Number of Containers:	56
Attn:	Ray Frigillana		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
CPT-1 @ 5'	16-03-0104-1	02/25/16 10:25	7	Solid
CPT 1 @ 10'	16-03-0104-2	02/25/16 10:36	7	Solid
CPT 1 @ 15'	16-03-0104-3	02/25/16 10:57	7	Solid
CPT 1 @ 20'	16-03-0104-4	02/25/16 11:20	7	Solid
CPT-3 @ 5'	16-03-0104-5	02/25/16 11:50	7	Solid
CPT 3 @ 10'	16-03-0104-6	02/25/16 12:03	6	Solid
CPT 3 @ 15'	16-03-0104-7	02/26/16 10:10	7	Solid
CPT 3 @ 20'	16-03-0104-8	02/26/16 10:28	7	Solid
CPT 3 @ 10'	16-03-0104-9	02/26/16 09:55	1	Solid

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Detections Summary

Client:	Group Delta Consultants, Inc. 9245 Activity Road, Suite 103 San Diego, CA 92126-4442	Work Order:	16-03-0104
		Project Name:	SD458 Mitsubishi Cement Facility
		Received:	03/01/16
Attn:	Ray Frigillana		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
CPT-1 @ 5' (16-03-0104-1)						
Arsenic	1.74		0.754	mg/kg	EPA 6010B	EPA 3050B
Barium	23.5		0.503	mg/kg	EPA 6010B	EPA 3050B
Chromium	4.60		0.251	mg/kg	EPA 6010B	EPA 3050B
Cobalt	3.06		0.251	mg/kg	EPA 6010B	EPA 3050B
Copper	4.86		0.503	mg/kg	EPA 6010B	EPA 3050B
Lead	2.06		0.503	mg/kg	EPA 6010B	EPA 3050B
Nickel	1.65		0.251	mg/kg	EPA 6010B	EPA 3050B
Vanadium	11.9		0.251	mg/kg	EPA 6010B	EPA 3050B
Zinc	9.61		1.01	mg/kg	EPA 6010B	EPA 3050B
CPT 1 @ 10' (16-03-0104-2)						
Arsenic	2.30		0.769	mg/kg	EPA 6010B	EPA 3050B
Barium	45.0		0.513	mg/kg	EPA 6010B	EPA 3050B
Chromium	7.07		0.256	mg/kg	EPA 6010B	EPA 3050B
Cobalt	3.99		0.256	mg/kg	EPA 6010B	EPA 3050B
Copper	4.81		0.513	mg/kg	EPA 6010B	EPA 3050B
Lead	3.52		0.513	mg/kg	EPA 6010B	EPA 3050B
Nickel	3.17		0.256	mg/kg	EPA 6010B	EPA 3050B
Vanadium	23.2		0.256	mg/kg	EPA 6010B	EPA 3050B
Zinc	22.2		1.03	mg/kg	EPA 6010B	EPA 3050B
CPT 1 @ 15' (16-03-0104-3)						
Arsenic	0.805		0.761	mg/kg	EPA 6010B	EPA 3050B
Barium	25.9		0.508	mg/kg	EPA 6010B	EPA 3050B
Chromium	5.08		0.254	mg/kg	EPA 6010B	EPA 3050B
Cobalt	2.39		0.254	mg/kg	EPA 6010B	EPA 3050B
Copper	2.40		0.508	mg/kg	EPA 6010B	EPA 3050B
Lead	1.53		0.508	mg/kg	EPA 6010B	EPA 3050B
Nickel	1.91		0.254	mg/kg	EPA 6010B	EPA 3050B
Vanadium	15.2		0.254	mg/kg	EPA 6010B	EPA 3050B
Zinc	18.2		1.02	mg/kg	EPA 6010B	EPA 3050B

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* MDL is shown

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Detections Summary

Client:	Group Delta Consultants, Inc. 9245 Activity Road, Suite 103 San Diego, CA 92126-4442	Work Order:	16-03-0104
		Project Name:	SD458 Mitsubishi Cement Facility
		Received:	03/01/16
Attn:	Ray Frigillana		Page 2 of 3

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
CPT 1 @ 20' (16-03-0104-4)						
Arsenic	2.24		0.721	mg/kg	EPA 6010B	EPA 3050B
Barium	47.7		0.481	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.691		0.481	mg/kg	EPA 6010B	EPA 3050B
Chromium	11.2		0.240	mg/kg	EPA 6010B	EPA 3050B
Cobalt	3.38		0.240	mg/kg	EPA 6010B	EPA 3050B
Copper	23.2		0.481	mg/kg	EPA 6010B	EPA 3050B
Lead	35.4		0.481	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.19		0.240	mg/kg	EPA 6010B	EPA 3050B
Nickel	5.37		0.240	mg/kg	EPA 6010B	EPA 3050B
Silver	0.444		0.240	mg/kg	EPA 6010B	EPA 3050B
Vanadium	24.2		0.240	mg/kg	EPA 6010B	EPA 3050B
Zinc	99.3		0.962	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.413		0.0862	mg/kg	EPA 7471A	EPA 7471A Total
TPH as Motor Oil	270	HD	26	mg/kg	EPA 8015B (M)	EPA 3550B
TPH as Diesel	97	HD	5.1	mg/kg	EPA 8015B (M)	EPA 3550B
CPT-3 @ 5' (16-03-0104-5)						
Arsenic	4.01		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	23.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	8.24		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	2.69		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	3.94		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	0.639		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	2.63		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	17.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	14.3		1.00	mg/kg	EPA 6010B	EPA 3050B
CPT 3 @ 10' (16-03-0104-6)						
Arsenic	1.91		0.781	mg/kg	EPA 6010B	EPA 3050B
Barium	39.0		0.521	mg/kg	EPA 6010B	EPA 3050B
Chromium	5.26		0.260	mg/kg	EPA 6010B	EPA 3050B
Cobalt	3.40		0.260	mg/kg	EPA 6010B	EPA 3050B
Copper	2.89		0.521	mg/kg	EPA 6010B	EPA 3050B
Lead	1.66		0.521	mg/kg	EPA 6010B	EPA 3050B
Nickel	2.45		0.260	mg/kg	EPA 6010B	EPA 3050B
Vanadium	18.0		0.260	mg/kg	EPA 6010B	EPA 3050B
Zinc	15.5		1.04	mg/kg	EPA 6010B	EPA 3050B

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Detections Summary

Client:	Group Delta Consultants, Inc. 9245 Activity Road, Suite 103 San Diego, CA 92126-4442	Work Order:	16-03-0104
		Project Name:	SD458 Mitsubishi Cement Facility
		Received:	03/01/16
Attn:	Ray Frigillana		Page 3 of 3

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
CPT 3 @ 15' (16-03-0104-7)						
Barium	7.20		0.495	mg/kg	EPA 6010B	EPA 3050B
Chromium	1.96		0.248	mg/kg	EPA 6010B	EPA 3050B
Cobalt	0.753		0.248	mg/kg	EPA 6010B	EPA 3050B
Copper	0.751		0.495	mg/kg	EPA 6010B	EPA 3050B
Lead	0.653		0.495	mg/kg	EPA 6010B	EPA 3050B
Nickel	0.620		0.248	mg/kg	EPA 6010B	EPA 3050B
Vanadium	6.26		0.248	mg/kg	EPA 6010B	EPA 3050B
Zinc	4.39		0.990	mg/kg	EPA 6010B	EPA 3050B
CPT 3 @ 20' (16-03-0104-8)						
Barium	22.2		0.505	mg/kg	EPA 6010B	EPA 3050B
Chromium	5.15		0.253	mg/kg	EPA 6010B	EPA 3050B
Cobalt	2.28		0.253	mg/kg	EPA 6010B	EPA 3050B
Copper	1.80		0.505	mg/kg	EPA 6010B	EPA 3050B
Lead	0.893		0.505	mg/kg	EPA 6010B	EPA 3050B
Nickel	1.73		0.253	mg/kg	EPA 6010B	EPA 3050B
Vanadium	12.3		0.253	mg/kg	EPA 6010B	EPA 3050B
Zinc	11.8		1.01	mg/kg	EPA 6010B	EPA 3050B
TPH as Diesel	6.5		5.0	mg/kg	EPA 8015B (M)	EPA 3550B

Subcontracted analyses, if any, are not included in this summary.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1 @ 5'	**16-03-0104-1-B**	**02/25/16 10:25**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 20:45**	**160302B06**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 10'	**16-03-0104-2-B**	**02/25/16 10:36**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 21:02**	**160302B06**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	26	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 15'	**16-03-0104-3-B**	**02/25/16 10:57**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 21:17**	**160302B06**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 20'	**16-03-0104-4-B**	**02/25/16 11:20**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 22:37**	**160302B06**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	270	26	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	94	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3 @ 5'	**16-03-0104-5-B**	**02/25/16 11:50**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 21:33**	**160302B06**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	84	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Project: SD458 Mitsubishi Cement Facility

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 10'	**16-03-0104-6-B**	**02/25/16 12:03**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 21:49**	**160302B06**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 15'	**16-03-0104-7-B**	**02/26/16 10:10**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 22:05**	**160302B06**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 20'	**16-03-0104-8-B**	**02/26/16 10:28**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 22:21**	**160302B06**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-420-1709**	**N/A**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 19:58**	**160302B06**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	82	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Project: SD458 Mitsubishi Cement Facility

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1 @ 5'	**16-03-0104-1-B**	**02/25/16 10:25**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 20:45**	**160302B05**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 10'	**16-03-0104-2-B**	**02/25/16 10:36**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 21:02**	**160302B05**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 15'	**16-03-0104-3-B**	**02/25/16 10:57**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 21:17**	**160302B05**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 20'	**16-03-0104-4-B**	**02/25/16 11:20**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 22:37**	**160302B05**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	97	5.1	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	94	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3 @ 5'	**16-03-0104-5-B**	**02/25/16 11:50**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 21:33**	**160302B05**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	84	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Project: SD458 Mitsubishi Cement Facility

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 10'	**16-03-0104-6-B**	**02/25/16 12:03**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 21:49**	**160302B05**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 15'	**16-03-0104-7-B**	**02/26/16 10:10**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 22:05**	**160302B05**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 20'	**16-03-0104-8-B**	**02/26/16 10:28**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 22:21**	**160302B05**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	6.5	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-422-2313**	**N/A**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 19:58**	**160302B05**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	82	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 5035
Method: EPA 8015B (M)
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1 @ 5'	**16-03-0104-1-G**	**02/25/16 10:25**	**Solid**	**GC 25**	**03/02/16**	**03/04/16 10:28**	**160303L050**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.29	1.00	BV,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 10'	**16-03-0104-2-G**	**02/25/16 10:36**	**Solid**	**GC 25**	**03/02/16**	**03/03/16 04:21**	**160302L063**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.32	1.00	BV,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 15'	**16-03-0104-3-G**	**02/25/16 10:57**	**Solid**	**GC 25**	**03/02/16**	**03/04/16 11:38**	**160303L050**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.26	1.00	BV,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	20	60-126	2,6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 20'	**16-03-0104-4-G**	**02/25/16 11:20**	**Solid**	**GC 25**	**03/02/16**	**03/04/16 11:03**	**160303L050**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.23	1.00	BV,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	5	60-126	2,6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3 @ 5'	**16-03-0104-5-H**	**02/25/16 11:50**	**Solid**	**GC 25**	**03/02/16**	**03/03/16 05:31**	**160302L063**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.38	1.00	BV,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	60-126	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 5035
Method: EPA 8015B (M)
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 10'	**16-03-0104-6-G**	**02/25/16 12:03**	**Solid**	**GC 25**	**03/02/16**	**03/03/16 06:06**	**160302L063**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.44	1.00	BV,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 15'	**16-03-0104-7-H**	**02/26/16 10:10**	**Solid**	**GC 25**	**03/02/16**	**03/03/16 07:16**	**160302L063**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.22	1.00	BV,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 20'	**16-03-0104-8-H**	**02/26/16 10:28**	**Solid**	**GC 25**	**03/02/16**	**03/03/16 06:41**	**160302L063**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.62	1.00	BV,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-285-5776**	**N/A**	**Solid**	**GC 25**	**03/02/16**	**03/03/16 02:00**	**160302L063**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	60-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-285-5777**	**N/A**	**Solid**	**GC 25**	**03/03/16**	**03/03/16 21:36**	**160303L050**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	60-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1 @ 5'	**16-03-0104-1-B**	**02/25/16 10:25**	**Solid**	**ICP 7300**	**03/02/16**	**03/02/16 22:09**	**160302L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.754	1.01	
Arsenic	1.74	0.754	1.01	
Barium	23.5	0.503	1.01	
Beryllium	ND	0.251	1.01	
Cadmium	ND	0.503	1.01	
Chromium	4.60	0.251	1.01	
Cobalt	3.06	0.251	1.01	
Copper	4.86	0.503	1.01	
Lead	2.06	0.503	1.01	
Molybdenum	ND	0.251	1.01	
Nickel	1.65	0.251	1.01	
Selenium	ND	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	ND	0.754	1.01	
Vanadium	11.9	0.251	1.01	
Zinc	9.61	1.01	1.01	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.		Date Received:	03/01/16
9245 Activity Road, Suite 103		Work Order:	16-03-0104
San Diego, CA 92126-4442		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: SD458 Mitsubishi Cement Facility			Page 2 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 10'	**16-03-0104-2-B**	**02/25/16 10:36**	**Solid**	**ICP 7300**	**03/02/16**	**03/02/16 22:10**	**160302L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.769	1.03	
Arsenic	2.30	0.769	1.03	
Barium	45.0	0.513	1.03	
Beryllium	ND	0.256	1.03	
Cadmium	ND	0.513	1.03	
Chromium	7.07	0.256	1.03	
Cobalt	3.99	0.256	1.03	
Copper	4.81	0.513	1.03	
Lead	3.52	0.513	1.03	
Molybdenum	ND	0.256	1.03	
Nickel	3.17	0.256	1.03	
Selenium	ND	0.769	1.03	
Silver	ND	0.256	1.03	
Thallium	ND	0.769	1.03	
Vanadium	23.2	0.256	1.03	
Zinc	22.2	1.03	1.03	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 15'	**16-03-0104-3-B**	**02/25/16 10:57**	**Solid**	**ICP 7300**	**03/02/16**	**03/02/16 22:12**	**160302L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.761	1.02	
Arsenic	0.805	0.761	1.02	
Barium	25.9	0.508	1.02	
Beryllium	ND	0.254	1.02	
Cadmium	ND	0.508	1.02	
Chromium	5.08	0.254	1.02	
Cobalt	2.39	0.254	1.02	
Copper	2.40	0.508	1.02	
Lead	1.53	0.508	1.02	
Molybdenum	ND	0.254	1.02	
Nickel	1.91	0.254	1.02	
Selenium	ND	0.761	1.02	
Silver	ND	0.254	1.02	
Thallium	ND	0.761	1.02	
Vanadium	15.2	0.254	1.02	
Zinc	18.2	1.02	1.02	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 20'	**16-03-0104-4-B**	**02/25/16 11:20**	**Solid**	**ICP 7300**	**03/02/16**	**03/02/16 22:13**	**160302L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.721	0.962	
Arsenic	2.24	0.721	0.962	
Barium	47.7	0.481	0.962	
Beryllium	ND	0.240	0.962	
Cadmium	0.691	0.481	0.962	
Chromium	11.2	0.240	0.962	
Cobalt	3.38	0.240	0.962	
Copper	23.2	0.481	0.962	
Lead	35.4	0.481	0.962	
Molybdenum	1.19	0.240	0.962	
Nickel	5.37	0.240	0.962	
Selenium	ND	0.721	0.962	
Silver	0.444	0.240	0.962	
Thallium	ND	0.721	0.962	
Vanadium	24.2	0.240	0.962	
Zinc	99.3	0.962	0.962	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3 @ 5'	**16-03-0104-5-B**	**02/25/16 11:50**	**Solid**	**ICP 7300**	**03/02/16**	**03/02/16 22:28**	**160302L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	4.01	0.750	1.00	
Barium	23.4	0.500	1.00	
Beryllium	ND	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	8.24	0.250	1.00	
Cobalt	2.69	0.250	1.00	
Copper	3.94	0.500	1.00	
Lead	0.639	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	2.63	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	17.7	0.250	1.00	
Zinc	14.3	1.00	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.		Date Received:	03/01/16
9245 Activity Road, Suite 103		Work Order:	16-03-0104
San Diego, CA 92126-4442		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: SD458 Mitsubishi Cement Facility			Page 6 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 10'	**16-03-0104-6-B**	**02/25/16 12:03**	**Solid**	**ICP 7300**	**03/02/16**	**03/02/16 22:29**	**160302L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.781	1.04	
Arsenic	1.91	0.781	1.04	
Barium	39.0	0.521	1.04	
Beryllium	ND	0.260	1.04	
Cadmium	ND	0.521	1.04	
Chromium	5.26	0.260	1.04	
Cobalt	3.40	0.260	1.04	
Copper	2.89	0.521	1.04	
Lead	1.66	0.521	1.04	
Molybdenum	ND	0.260	1.04	
Nickel	2.45	0.260	1.04	
Selenium	ND	0.781	1.04	
Silver	ND	0.260	1.04	
Thallium	ND	0.781	1.04	
Vanadium	18.0	0.260	1.04	
Zinc	15.5	1.04	1.04	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 15'	**16-03-0104-7-B**	**02/26/16 10:10**	**Solid**	**ICP 7300**	**03/02/16**	**03/02/16 22:30**	**160302L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.743	0.990	
Arsenic	ND	0.743	0.990	
Barium	7.20	0.495	0.990	
Beryllium	ND	0.248	0.990	
Cadmium	ND	0.495	0.990	
Chromium	1.96	0.248	0.990	
Cobalt	0.753	0.248	0.990	
Copper	0.751	0.495	0.990	
Lead	0.653	0.495	0.990	
Molybdenum	ND	0.248	0.990	
Nickel	0.620	0.248	0.990	
Selenium	ND	0.743	0.990	
Silver	ND	0.248	0.990	
Thallium	ND	0.743	0.990	
Vanadium	6.26	0.248	0.990	
Zinc	4.39	0.990	0.990	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 20'	**16-03-0104-8-B**	**02/26/16 10:28**	**Solid**	**ICP 7300**	**03/02/16**	**03/02/16 22:31**	**160302L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.758	1.01	
Arsenic	ND	0.758	1.01	
Barium	22.2	0.505	1.01	
Beryllium	ND	0.253	1.01	
Cadmium	ND	0.505	1.01	
Chromium	5.15	0.253	1.01	
Cobalt	2.28	0.253	1.01	
Copper	1.80	0.505	1.01	
Lead	0.893	0.505	1.01	
Molybdenum	ND	0.253	1.01	
Nickel	1.73	0.253	1.01	
Selenium	ND	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	ND	0.758	1.01	
Vanadium	12.3	0.253	1.01	
Zinc	11.8	1.01	1.01	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.		Date Received:	03/01/16
9245 Activity Road, Suite 103		Work Order:	16-03-0104
San Diego, CA 92126-4442		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: SD458 Mitsubishi Cement Facility			Page 9 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-22402**	**N/A**	**Solid**	**ICP 7300**	**03/02/16**	**03/02/16 21:39**	**160302L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	ND	0.750	1.00	
Barium	ND	0.500	1.00	
Beryllium	ND	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	ND	0.250	1.00	
Cobalt	ND	0.250	1.00	
Copper	ND	0.500	1.00	
Lead	ND	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	ND	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	ND	0.250	1.00	
Zinc	ND	1.00	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Project: SD458 Mitsubishi Cement Facility

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1 @ 5'	**16-03-0104-1-B**	**02/25/16 10:25**	**Solid**	**Mercury 05**	**03/04/16**	**03/04/16 19:59**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0794	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 10'	**16-03-0104-2-B**	**02/25/16 10:36**	**Solid**	**Mercury 05**	**03/04/16**	**03/04/16 20:01**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0806	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 15'	**16-03-0104-3-B**	**02/25/16 10:57**	**Solid**	**Mercury 05**	**03/04/16**	**03/04/16 20:03**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0847	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 20'	**16-03-0104-4-B**	**02/25/16 11:20**	**Solid**	**Mercury 05**	**03/04/16**	**03/04/16 20:10**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Mercury	0.413	0.0862	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3 @ 5'	**16-03-0104-5-B**	**02/25/16 11:50**	**Solid**	**Mercury 05**	**03/04/16**	**03/04/16 20:12**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0847	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 10'	**16-03-0104-6-B**	**02/25/16 12:03**	**Solid**	**Mercury 05**	**03/04/16**	**03/04/16 20:15**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0806	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 15'	**16-03-0104-7-B**	**02/26/16 10:10**	**Solid**	**Mercury 05**	**03/04/16**	**03/04/16 20:19**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0847	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 20'	**16-03-0104-8-B**	**02/26/16 10:28**	**Solid**	**Mercury 05**	**03/04/16**	**03/04/16 20:21**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0862	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.		Date Received:	03/01/16
9245 Activity Road, Suite 103		Work Order:	16-03-0104
San Diego, CA 92126-4442		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
		Units:	mg/kg
Project: SD458 Mitsubishi Cement Facility			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-272-1969**	**N/A**	**Solid**	**Mercury 05**	**03/04/16**	**03/04/16 19:23**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1 @ 5'	**16-03-0104-1-A**	**02/25/16 10:25**	**Solid**	**GC 51**	**03/02/16**	**03/03/16 11:59**	**160302L05**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 10'	**16-03-0104-2-A**	**02/25/16 10:36**	**Solid**	**GC 51**	**03/02/16**	**03/03/16 12:13**	**160302L05**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	108	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 15'	**16-03-0104-3-A**	**02/25/16 10:57**	**Solid**	**GC 51**	**03/02/16**	**03/03/16 12:28**	**160302L05**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	99	24-168	
2,4,5,6-Tetrachloro-m-Xylene	102	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 20'	**16-03-0104-4-A**	**02/25/16 11:20**	**Solid**	**GC 51**	**03/02/16**	**03/03/16 12:42**	**160302L05**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.		Date Received:	03/01/16
9245 Activity Road, Suite 103		Work Order:	16-03-0104
San Diego, CA 92126-4442		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility			Page 5 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3 @ 5'	**16-03-0104-5-A**	**02/25/16 11:50**	**Solid**	**GC 51**	**03/02/16**	**03/03/16 12:56**	**160302L05**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	98	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 10'	**16-03-0104-6-A**	**02/25/16 12:03**	**Solid**	**GC 51**	**03/02/16**	**03/03/16 14:37**	**160302L05**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	106	24-168	
2,4,5,6-Tetrachloro-m-Xylene	97	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 15'	**16-03-0104-7-A**	**02/26/16 10:10**	**Solid**	**GC 51**	**03/02/16**	**03/03/16 14:51**	**160302L05**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	70	24-168	
2,4,5,6-Tetrachloro-m-Xylene	61	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 20'	**16-03-0104-8-A**	**02/26/16 10:28**	**Solid**	**GC 51**	**03/02/16**	**03/03/16 15:05**	**160302L05**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	109	24-168	
2,4,5,6-Tetrachloro-m-Xylene	101	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2362**	**N/A**	**Solid**	**GC 51**	**03/02/16**	**03/03/16 11:16**	**160302L05**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	96	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1 @ 5'	**16-03-0104-1-A**	**02/25/16 10:25**	**Solid**	**GC 58**	**03/02/16**	**03/02/16 18:35**	**160302L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	67	24-168	
2,4,5,6-Tetrachloro-m-Xylene	60	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 10'	**16-03-0104-2-A**	**02/25/16 10:36**	**Solid**	**GC 58**	**03/02/16**	**03/02/16 19:22**	**160302L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	85	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 15'	**16-03-0104-3-A**	**02/25/16 10:57**	**Solid**	**GC 58**	**03/02/16**	**03/02/16 19:40**	**160302L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	85	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 20'	**16-03-0104-4-A**	**02/25/16 11:20**	**Solid**	**GC 58**	**03/02/16**	**03/03/16 20:54**	**160302L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	73	24-168	
2,4,5,6-Tetrachloro-m-Xylene	66	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3 @ 5'	**16-03-0104-5-A**	**02/25/16 11:50**	**Solid**	**GC 58**	**03/02/16**	**03/02/16 20:15**	**160302L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	74	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 10'	**16-03-0104-6-A**	**02/25/16 12:03**	**Solid**	**GC 58**	**03/02/16**	**03/02/16 20:33**	**160302L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	97	24-168	
2,4,5,6-Tetrachloro-m-Xylene	90	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 15'	**16-03-0104-7-A**	**02/26/16 10:10**	**Solid**	**GC 58**	**03/02/16**	**03/02/16 20:51**	**160302L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	63	24-168	
2,4,5,6-Tetrachloro-m-Xylene	55	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 20'	**16-03-0104-8-A**	**02/26/16 10:28**	**Solid**	**GC 58**	**03/02/16**	**03/03/16 21:12**	**160302L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	97	24-168	
2,4,5,6-Tetrachloro-m-Xylene	90	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-535-3643**	**N/A**	**Solid**	**GC 58**	**03/02/16**	**03/02/16 17:23**	**160302L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	79	24-168	
2,4,5,6-Tetrachloro-m-Xylene	72	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1 @ 5'	**16-03-0104-1-A**	**02/25/16 10:25**	**Solid**	**GC 26**	**03/04/16**	**03/09/16 00:13**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	32	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 10'	**16-03-0104-2-A**	**02/25/16 10:36**	**Solid**	**GC 26**	**03/04/16**	**03/09/16 00:58**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	43	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 15'	**16-03-0104-3-A**	**02/25/16 10:57**	**Solid**	**GC 26**	**03/04/16**	**03/09/16 01:42**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	42	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 20'	**16-03-0104-4-A**	**02/25/16 11:20**	**Solid**	**GC 26**	**03/04/16**	**03/09/16 02:26**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	43	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3 @ 5'	**16-03-0104-5-A**	**02/25/16 11:50**	**Solid**	**GC 26**	**03/04/16**	**03/09/16 03:10**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	44	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 10'	**16-03-0104-6-A**	**02/25/16 12:03**	**Solid**	**GC 26**	**03/04/16**	**03/09/16 03:54**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	48	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 15'	**16-03-0104-7-A**	**02/26/16 10:10**	**Solid**	**GC 26**	**03/04/16**	**03/09/16 04:38**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	41	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 20'	**16-03-0104-8-A**	**02/26/16 10:28**	**Solid**	**GC 26**	**03/04/16**	**03/09/16 11:04**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	52	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-973-246**	**N/A**	**Solid**	**GC 26**	**03/04/16**	**03/07/16 09:35**	**160304L03**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	68	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 8151A
Method: EPA 8151A
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1 @ 5'	**16-03-0104-1-A**	**02/25/16 10:25**	**Solid**	**GC 40**	**03/04/16**	**03/08/16 23:04**	**160304L11**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	85	30-130	

CPT 1 @ 10'	16-03-0104-2-A	02/25/16 10:36	Solid	GC 40	03/04/16	03/08/16 23:27	160304L11

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	90	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 8151A
Method: EPA 8151A
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 15'	**16-03-0104-3-A**	**02/25/16 10:57**	**Solid**	**GC 40**	**03/04/16**	**03/08/16 23:51**	**160304L11**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	47	30-130	

CPT 1 @ 20'	16-03-0104-4-A	02/25/16 11:20	Solid	GC 40	03/04/16	03/08/16 12:14	160304L11

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	83	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 8151A
Method: EPA 8151A
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3 @ 5'	**16-03-0104-5-A**	**02/25/16 11:50**	**Solid**	**GC 40**	**03/04/16**	**03/09/16 00:14**	**160304L11**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	72	30-130	

CPT 3 @ 10'	16-03-0104-6-A	02/25/16 12:03	Solid	GC 40	03/04/16	03/09/16 00:37	160304L11

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	87	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 8151A
Method: EPA 8151A
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 15'	**16-03-0104-7-A**	**02/26/16 10:10**	**Solid**	**GC 40**	**03/04/16**	**03/09/16 01:00**	**160304L11**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	68	30-130	

CPT 3 @ 20'	16-03-0104-8-A	02/26/16 10:28	Solid	GC 40	03/04/16	03/09/16 01:23	160304L11

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	78	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.		Date Received:	03/01/16
9245 Activity Road, Suite 103		Work Order:	16-03-0104
San Diego, CA 92126-4442		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility			Page 5 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-033-1348**	**N/A**	**Solid**	**GC 40**	**03/04/16**	**03/07/16 11:50**	**160304L11**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	86	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1 @ 5'	**16-03-0104-1-D**	**02/25/16 10:25**	**Solid**	**GC/MS BB**	**03/02/16**	**03/02/16 14:15**	**160302L015**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	43	1.00	BV,ET
Benzene	ND	0.86	1.00	BV,ET
Bromobenzene	ND	0.86	1.00	BV,ET
Bromochloromethane	ND	1.7	1.00	BV,ET
Bromodichloromethane	ND	0.86	1.00	BV,ET
Bromoform	ND	4.3	1.00	BV,ET
Bromomethane	ND	17	1.00	BV,ET
2-Butanone	ND	17	1.00	BV,ET
n-Butylbenzene	ND	0.86	1.00	BV,ET
sec-Butylbenzene	ND	0.86	1.00	BV,ET
tert-Butylbenzene	ND	0.86	1.00	BV,ET
Carbon Disulfide	ND	8.6	1.00	BV,ET
Carbon Tetrachloride	ND	0.86	1.00	BV,ET
Chlorobenzene	ND	0.86	1.00	BV,ET
Chloroethane	ND	1.7	1.00	BV,ET
Chloroform	ND	0.86	1.00	BV,ET
Chloromethane	ND	17	1.00	BV,ET
2-Chlorotoluene	ND	0.86	1.00	BV,ET
4-Chlorotoluene	ND	0.86	1.00	BV,ET
Dibromochloromethane	ND	1.7	1.00	BV,ET
1,2-Dibromo-3-Chloropropane	ND	4.3	1.00	BV,ET
1,2-Dibromoethane	ND	0.86	1.00	BV,ET
Dibromomethane	ND	0.86	1.00	BV,ET
1,2-Dichlorobenzene	ND	0.86	1.00	BV,ET
1,3-Dichlorobenzene	ND	0.86	1.00	BV,ET
1,4-Dichlorobenzene	ND	0.86	1.00	BV,ET
Dichlorodifluoromethane	ND	1.7	1.00	BV,ET
1,1-Dichloroethane	ND	0.86	1.00	BV,ET
1,2-Dichloroethane	ND	0.86	1.00	BV,ET
1,1-Dichloroethene	ND	0.86	1.00	BV,ET
c-1,2-Dichloroethene	ND	0.86	1.00	BV,ET
t-1,2-Dichloroethene	ND	0.86	1.00	BV,ET
1,2-Dichloropropane	ND	0.86	1.00	BV,ET
1,3-Dichloropropane	ND	0.86	1.00	BV,ET
2,2-Dichloropropane	ND	4.3	1.00	BV,ET

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 2 of 30

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.7	1.00	BV,ET
c-1,3-Dichloropropene	ND	0.86	1.00	BV,ET
t-1,3-Dichloropropene	ND	1.7	1.00	BV,ET
Ethylbenzene	ND	0.86	1.00	BV,ET
2-Hexanone	ND	17	1.00	BV,ET
Isopropylbenzene	ND	0.86	1.00	BV,ET
p-Isopropyltoluene	ND	0.86	1.00	BV,ET
Methylene Chloride	ND	8.6	1.00	BV,ET
4-Methyl-2-Pentanone	ND	17	1.00	BV,ET
Naphthalene	ND	8.6	1.00	BV,ET
n-Propylbenzene	ND	1.7	1.00	BV,ET
Styrene	ND	0.86	1.00	BV,ET
1,1,1,2-Tetrachloroethane	ND	0.86	1.00	BV,ET
1,1,2,2-Tetrachloroethane	ND	1.7	1.00	BV,ET
Tetrachloroethene	ND	0.86	1.00	BV,ET
Toluene	ND	0.86	1.00	BV,ET
1,2,3-Trichlorobenzene	ND	1.7	1.00	BV,ET
1,2,4-Trichlorobenzene	ND	1.7	1.00	BV,ET
1,1,1-Trichloroethane	ND	0.86	1.00	BV,ET
1,1,2-Trichloroethane	ND	0.86	1.00	BV,ET
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.6	1.00	BV,ET
Trichloroethene	ND	1.7	1.00	BV,ET
Trichlorofluoromethane	ND	8.6	1.00	BV,ET
1,2,3-Trichloropropane	ND	1.7	1.00	BV,ET
1,2,4-Trimethylbenzene	ND	1.7	1.00	BV,ET
1,3,5-Trimethylbenzene	ND	1.7	1.00	BV,ET
Vinyl Acetate	ND	8.6	1.00	BV,ET
Vinyl Chloride	ND	0.86	1.00	BV,ET
p/m-Xylene	ND	1.7	1.00	BV,ET
o-Xylene	ND	0.86	1.00	BV,ET
Methyl-t-Butyl Ether (MTBE)	ND	1.7	1.00	BV,ET
Tert-Butyl Alcohol (TBA)	ND	17	1.00	BV,ET
Diisopropyl Ether (DIPE)	ND	0.86	1.00	BV,ET
Ethyl-t-Butyl Ether (ETBE)	ND	0.86	1.00	BV,ET
Tert-Amyl-Methyl Ether (TAME)	ND	0.86	1.00	BV,ET
Ethanol	ND	430	1.00	BV,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 3 of 30

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	116	79-133	
1,2-Dichloroethane-d4	135	71-155	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.		Date Received:	03/01/16
9245 Activity Road, Suite 103		Work Order:	16-03-0104
San Diego, CA 92126-4442		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility			Page 4 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 10'	**16-03-0104-2-D**	**02/25/16 10:36**	**Solid**	**GC/MS BB**	**03/02/16**	**03/02/16 14:43**	**160302L015**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	55	1.00	BV,ET
Benzene	ND	1.1	1.00	BV,ET
Bromobenzene	ND	1.1	1.00	BV,ET
Bromochloromethane	ND	2.2	1.00	BV,ET
Bromodichloromethane	ND	1.1	1.00	BV,ET
Bromoform	ND	5.5	1.00	BV,ET
Bromomethane	ND	22	1.00	BV,ET
2-Butanone	ND	22	1.00	BV,ET
n-Butylbenzene	ND	1.1	1.00	BV,ET
sec-Butylbenzene	ND	1.1	1.00	BV,ET
tert-Butylbenzene	ND	1.1	1.00	BV,ET
Carbon Disulfide	ND	11	1.00	BV,ET
Carbon Tetrachloride	ND	1.1	1.00	BV,ET
Chlorobenzene	ND	1.1	1.00	BV,ET
Chloroethane	ND	2.2	1.00	BV,ET
Chloroform	ND	1.1	1.00	BV,ET
Chloromethane	ND	22	1.00	BV,ET
2-Chlorotoluene	ND	1.1	1.00	BV,ET
4-Chlorotoluene	ND	1.1	1.00	BV,ET
Dibromochloromethane	ND	2.2	1.00	BV,ET
1,2-Dibromo-3-Chloropropane	ND	5.5	1.00	BV,ET
1,2-Dibromoethane	ND	1.1	1.00	BV,ET
Dibromomethane	ND	1.1	1.00	BV,ET
1,2-Dichlorobenzene	ND	1.1	1.00	BV,ET
1,3-Dichlorobenzene	ND	1.1	1.00	BV,ET
1,4-Dichlorobenzene	ND	1.1	1.00	BV,ET
Dichlorodifluoromethane	ND	2.2	1.00	BV,ET
1,1-Dichloroethane	ND	1.1	1.00	BV,ET
1,2-Dichloroethane	ND	1.1	1.00	BV,ET
1,1-Dichloroethene	ND	1.1	1.00	BV,ET
c-1,2-Dichloroethene	ND	1.1	1.00	BV,ET
t-1,2-Dichloroethene	ND	1.1	1.00	BV,ET
1,2-Dichloropropane	ND	1.1	1.00	BV,ET
1,3-Dichloropropane	ND	1.1	1.00	BV,ET
2,2-Dichloropropane	ND	5.5	1.00	BV,ET

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 5 of 30

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.2	1.00	BV,ET
c-1,3-Dichloropropene	ND	1.1	1.00	BV,ET
t-1,3-Dichloropropene	ND	2.2	1.00	BV,ET
Ethylbenzene	ND	1.1	1.00	BV,ET
2-Hexanone	ND	22	1.00	BV,ET
Isopropylbenzene	ND	1.1	1.00	BV,ET
p-Isopropyltoluene	ND	1.1	1.00	BV,ET
Methylene Chloride	ND	11	1.00	BV,ET
4-Methyl-2-Pentanone	ND	22	1.00	BV,ET
Naphthalene	ND	11	1.00	BV,ET
n-Propylbenzene	ND	2.2	1.00	BV,ET
Styrene	ND	1.1	1.00	BV,ET
1,1,1,2-Tetrachloroethane	ND	1.1	1.00	BV,ET
1,1,2,2-Tetrachloroethane	ND	2.2	1.00	BV,ET
Tetrachloroethene	ND	1.1	1.00	BV,ET
Toluene	ND	1.1	1.00	BV,ET
1,2,3-Trichlorobenzene	ND	2.2	1.00	BV,ET
1,2,4-Trichlorobenzene	ND	2.2	1.00	BV,ET
1,1,1-Trichloroethane	ND	1.1	1.00	BV,ET
1,1,2-Trichloroethane	ND	1.1	1.00	BV,ET
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1.00	BV,ET
Trichloroethene	ND	2.2	1.00	BV,ET
Trichlorofluoromethane	ND	11	1.00	BV,ET
1,2,3-Trichloropropane	ND	2.2	1.00	BV,ET
1,2,4-Trimethylbenzene	ND	2.2	1.00	BV,ET
1,3,5-Trimethylbenzene	ND	2.2	1.00	BV,ET
Vinyl Acetate	ND	11	1.00	BV,ET
Vinyl Chloride	ND	1.1	1.00	BV,ET
p/m-Xylene	ND	2.2	1.00	BV,ET
o-Xylene	ND	1.1	1.00	BV,ET
Methyl-t-Butyl Ether (MTBE)	ND	2.2	1.00	BV,ET
Tert-Butyl Alcohol (TBA)	ND	22	1.00	BV,ET
Diisopropyl Ether (DIPE)	ND	1.1	1.00	BV,ET
Ethyl-t-Butyl Ether (ETBE)	ND	1.1	1.00	BV,ET
Tert-Amyl-Methyl Ether (TAME)	ND	1.1	1.00	BV,ET
Ethanol	ND	550	1.00	BV,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 6 of 30

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	116	79-133	
1,2-Dichloroethane-d4	129	71-155	
Toluene-d8	98	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 15'	**16-03-0104-3-E**	**02/25/16 10:57**	**Solid**	**GC/MS Q**	**03/02/16**	**03/04/16 14:04**	**160304L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	45	1.00	BV,ET
Benzene	ND	0.90	1.00	BV,ET
Bromobenzene	ND	0.90	1.00	BV,ET
Bromochloromethane	ND	1.8	1.00	BV,ET
Bromodichloromethane	ND	0.90	1.00	BV,ET
Bromoform	ND	4.5	1.00	BV,ET
Bromomethane	ND	18	1.00	BV,ET
2-Butanone	ND	18	1.00	BV,ET
n-Butylbenzene	ND	0.90	1.00	BV,ET
sec-Butylbenzene	ND	0.90	1.00	BV,ET
tert-Butylbenzene	ND	0.90	1.00	BV,ET
Carbon Disulfide	ND	9.0	1.00	BV,ET
Carbon Tetrachloride	ND	0.90	1.00	BV,ET
Chlorobenzene	ND	0.90	1.00	BV,ET
Chloroethane	ND	1.8	1.00	BV,ET
Chloroform	ND	0.90	1.00	BV,ET
Chloromethane	ND	18	1.00	BV,ET
2-Chlorotoluene	ND	0.90	1.00	BV,ET
4-Chlorotoluene	ND	0.90	1.00	BV,ET
Dibromochloromethane	ND	1.8	1.00	BV,ET
1,2-Dibromo-3-Chloropropane	ND	4.5	1.00	BV,ET
1,2-Dibromoethane	ND	0.90	1.00	BV,ET
Dibromomethane	ND	0.90	1.00	BV,ET
1,2-Dichlorobenzene	ND	0.90	1.00	BV,ET
1,3-Dichlorobenzene	ND	0.90	1.00	BV,ET
1,4-Dichlorobenzene	ND	0.90	1.00	BV,ET
Dichlorodifluoromethane	ND	1.8	1.00	BV,ET
1,1-Dichloroethane	ND	0.90	1.00	BV,ET
1,2-Dichloroethane	ND	0.90	1.00	BV,ET
1,1-Dichloroethene	ND	0.90	1.00	BV,ET
c-1,2-Dichloroethene	ND	0.90	1.00	BV,ET
t-1,2-Dichloroethene	ND	0.90	1.00	BV,ET
1,2-Dichloropropane	ND	0.90	1.00	BV,ET
1,3-Dichloropropane	ND	0.90	1.00	BV,ET
2,2-Dichloropropane	ND	4.5	1.00	BV,ET

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 8 of 30

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.8	1.00	BV,ET
c-1,3-Dichloropropene	ND	0.90	1.00	BV,ET
t-1,3-Dichloropropene	ND	1.8	1.00	BV,ET
Ethylbenzene	ND	0.90	1.00	BV,ET
2-Hexanone	ND	18	1.00	BV,ET
Isopropylbenzene	ND	0.90	1.00	BV,ET
p-Isopropyltoluene	ND	0.90	1.00	BV,ET
Methylene Chloride	ND	9.0	1.00	BV,ET
4-Methyl-2-Pentanone	ND	18	1.00	BV,ET
Naphthalene	ND	9.0	1.00	BV,ET
n-Propylbenzene	ND	1.8	1.00	BV,ET
Styrene	ND	0.90	1.00	BV,ET
1,1,1,2-Tetrachloroethane	ND	0.90	1.00	BV,ET
1,1,2,2-Tetrachloroethane	ND	1.8	1.00	BV,ET
Tetrachloroethene	ND	0.90	1.00	BV,ET
Toluene	ND	0.90	1.00	BV,ET
1,2,3-Trichlorobenzene	ND	1.8	1.00	BV,ET
1,2,4-Trichlorobenzene	ND	1.8	1.00	BV,ET
1,1,1-Trichloroethane	ND	0.90	1.00	BV,ET
1,1,2-Trichloroethane	ND	0.90	1.00	BV,ET
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.0	1.00	BV,ET
Trichloroethene	ND	1.8	1.00	BV,ET
Trichlorofluoromethane	ND	9.0	1.00	BV,ET
1,2,3-Trichloropropane	ND	1.8	1.00	BV,ET
1,2,4-Trimethylbenzene	ND	1.8	1.00	BV,ET
1,3,5-Trimethylbenzene	ND	1.8	1.00	BV,ET
Vinyl Acetate	ND	9.0	1.00	BV,ET
Vinyl Chloride	ND	0.90	1.00	BV,ET
p/m-Xylene	ND	1.8	1.00	BV,ET
o-Xylene	ND	0.90	1.00	BV,ET
Methyl-t-Butyl Ether (MTBE)	ND	1.8	1.00	BV,ET
Tert-Butyl Alcohol (TBA)	ND	18	1.00	BV,ET
Diisopropyl Ether (DIPE)	ND	0.90	1.00	BV,ET
Ethyl-t-Butyl Ether (ETBE)	ND	0.90	1.00	BV,ET
Tert-Amyl-Methyl Ether (TAME)	ND	0.90	1.00	BV,ET
Ethanol	ND	450	1.00	BV,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 9 of 30

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	97	79-133	
1,2-Dichloroethane-d4	90	71-155	
Toluene-d8	105	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 1 @ 20'	**16-03-0104-4-D**	**02/25/16 11:20**	**Solid**	**GC/MS BB**	**03/02/16**	**03/02/16 15:41**	**160302L015**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	46	1.00	BV,ET
Benzene	ND	0.92	1.00	BV,ET
Bromobenzene	ND	0.92	1.00	BV,ET
Bromochloromethane	ND	1.8	1.00	BV,ET
Bromodichloromethane	ND	0.92	1.00	BV,ET
Bromoform	ND	4.6	1.00	BV,ET
Bromomethane	ND	18	1.00	BV,ET
2-Butanone	ND	18	1.00	BV,ET
n-Butylbenzene	ND	0.92	1.00	BV,ET
sec-Butylbenzene	ND	0.92	1.00	BV,ET
tert-Butylbenzene	ND	0.92	1.00	BV,ET
Carbon Disulfide	ND	9.2	1.00	BV,ET
Carbon Tetrachloride	ND	0.92	1.00	BV,ET
Chlorobenzene	ND	0.92	1.00	BV,ET
Chloroethane	ND	1.8	1.00	BV,ET
Chloroform	ND	0.92	1.00	BV,ET
Chloromethane	ND	18	1.00	BV,ET
2-Chlorotoluene	ND	0.92	1.00	BV,ET
4-Chlorotoluene	ND	0.92	1.00	BV,ET
Dibromochloromethane	ND	1.8	1.00	BV,ET
1,2-Dibromo-3-Chloropropane	ND	4.6	1.00	BV,ET
1,2-Dibromoethane	ND	0.92	1.00	BV,ET
Dibromomethane	ND	0.92	1.00	BV,ET
1,2-Dichlorobenzene	ND	0.92	1.00	BV,ET
1,3-Dichlorobenzene	ND	0.92	1.00	BV,ET
1,4-Dichlorobenzene	ND	0.92	1.00	BV,ET
Dichlorodifluoromethane	ND	1.8	1.00	BV,ET
1,1-Dichloroethane	ND	0.92	1.00	BV,ET
1,2-Dichloroethane	ND	0.92	1.00	BV,ET
1,1-Dichloroethene	ND	0.92	1.00	BV,ET
c-1,2-Dichloroethene	ND	0.92	1.00	BV,ET
t-1,2-Dichloroethene	ND	0.92	1.00	BV,ET
1,2-Dichloropropane	ND	0.92	1.00	BV,ET
1,3-Dichloropropane	ND	0.92	1.00	BV,ET
2,2-Dichloropropane	ND	4.6	1.00	BV,ET

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 11 of 30

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.8	1.00	BV,ET
c-1,3-Dichloropropene	ND	0.92	1.00	BV,ET
t-1,3-Dichloropropene	ND	1.8	1.00	BV,ET
Ethylbenzene	ND	0.92	1.00	BV,ET
2-Hexanone	ND	18	1.00	BV,ET
Isopropylbenzene	ND	0.92	1.00	BV,ET
p-Isopropyltoluene	ND	0.92	1.00	BV,ET
Methylene Chloride	ND	9.2	1.00	BV,ET
4-Methyl-2-Pentanone	ND	18	1.00	BV,ET
Naphthalene	ND	9.2	1.00	BV,ET
n-Propylbenzene	ND	1.8	1.00	BV,ET
Styrene	ND	0.92	1.00	BV,ET
1,1,1,2-Tetrachloroethane	ND	0.92	1.00	BV,ET
1,1,2,2-Tetrachloroethane	ND	1.8	1.00	BV,ET
Tetrachloroethene	ND	0.92	1.00	BV,ET
Toluene	ND	0.92	1.00	BV,ET
1,2,3-Trichlorobenzene	ND	1.8	1.00	BV,ET
1,2,4-Trichlorobenzene	ND	1.8	1.00	BV,ET
1,1,1-Trichloroethane	ND	0.92	1.00	BV,ET
1,1,2-Trichloroethane	ND	0.92	1.00	BV,ET
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.2	1.00	BV,ET
Trichloroethene	ND	1.8	1.00	BV,ET
Trichlorofluoromethane	ND	9.2	1.00	BV,ET
1,2,3-Trichloropropane	ND	1.8	1.00	BV,ET
1,2,4-Trimethylbenzene	ND	1.8	1.00	BV,ET
1,3,5-Trimethylbenzene	ND	1.8	1.00	BV,ET
Vinyl Acetate	ND	9.2	1.00	BV,ET
Vinyl Chloride	ND	0.92	1.00	BV,ET
p/m-Xylene	ND	1.8	1.00	BV,ET
o-Xylene	ND	0.92	1.00	BV,ET
Methyl-t-Butyl Ether (MTBE)	ND	1.8	1.00	BV,ET
Tert-Butyl Alcohol (TBA)	ND	18	1.00	BV,ET
Diisopropyl Ether (DIPE)	ND	0.92	1.00	BV,ET
Ethyl-t-Butyl Ether (ETBE)	ND	0.92	1.00	BV,ET
Tert-Amyl-Methyl Ether (TAME)	ND	0.92	1.00	BV,ET
Ethanol	ND	460	1.00	BV,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 12 of 30

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	127	79-133	
1,2-Dichloroethane-d4	135	71-155	
Toluene-d8	101	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.		Date Received:	03/01/16
9245 Activity Road, Suite 103		Work Order:	16-03-0104
San Diego, CA 92126-4442		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility			Page 13 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3 @ 5'	**16-03-0104-5-D**	**02/25/16 11:50**	**Solid**	**GC/MS BB**	**03/02/16**	**03/02/16 16:10**	**160302L015**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	52	1.00	BV,ET
Benzene	ND	1.0	1.00	BV,ET
Bromobenzene	ND	1.0	1.00	BV,ET
Bromochloromethane	ND	2.1	1.00	BV,ET
Bromodichloromethane	ND	1.0	1.00	BV,ET
Bromoform	ND	5.2	1.00	BV,ET
Bromomethane	ND	21	1.00	BV,ET
2-Butanone	ND	21	1.00	BV,ET
n-Butylbenzene	ND	1.0	1.00	BV,ET
sec-Butylbenzene	ND	1.0	1.00	BV,ET
tert-Butylbenzene	ND	1.0	1.00	BV,ET
Carbon Disulfide	ND	10	1.00	BV,ET
Carbon Tetrachloride	ND	1.0	1.00	BV,ET
Chlorobenzene	ND	1.0	1.00	BV,ET
Chloroethane	ND	2.1	1.00	BV,ET
Chloroform	ND	1.0	1.00	BV,ET
Chloromethane	ND	21	1.00	BV,ET
2-Chlorotoluene	ND	1.0	1.00	BV,ET
4-Chlorotoluene	ND	1.0	1.00	BV,ET
Dibromochloromethane	ND	2.1	1.00	BV,ET
1,2-Dibromo-3-Chloropropane	ND	5.2	1.00	BV,ET
1,2-Dibromoethane	ND	1.0	1.00	BV,ET
Dibromomethane	ND	1.0	1.00	BV,ET
1,2-Dichlorobenzene	ND	1.0	1.00	BV,ET
1,3-Dichlorobenzene	ND	1.0	1.00	BV,ET
1,4-Dichlorobenzene	ND	1.0	1.00	BV,ET
Dichlorodifluoromethane	ND	2.1	1.00	BV,ET
1,1-Dichloroethane	ND	1.0	1.00	BV,ET
1,2-Dichloroethane	ND	1.0	1.00	BV,ET
1,1-Dichloroethene	ND	1.0	1.00	BV,ET
c-1,2-Dichloroethene	ND	1.0	1.00	BV,ET
t-1,2-Dichloroethene	ND	1.0	1.00	BV,ET
1,2-Dichloropropane	ND	1.0	1.00	BV,ET
1,3-Dichloropropane	ND	1.0	1.00	BV,ET
2,2-Dichloropropane	ND	5.2	1.00	BV,ET

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 14 of 30

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.1	1.00	BV,ET
c-1,3-Dichloropropene	ND	1.0	1.00	BV,ET
t-1,3-Dichloropropene	ND	2.1	1.00	BV,ET
Ethylbenzene	ND	1.0	1.00	BV,ET
2-Hexanone	ND	21	1.00	BV,ET
Isopropylbenzene	ND	1.0	1.00	BV,ET
p-Isopropyltoluene	ND	1.0	1.00	BV,ET
Methylene Chloride	ND	10	1.00	BV,ET
4-Methyl-2-Pentanone	ND	21	1.00	BV,ET
Naphthalene	ND	10	1.00	BV,ET
n-Propylbenzene	ND	2.1	1.00	BV,ET
Styrene	ND	1.0	1.00	BV,ET
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	BV,ET
1,1,2,2-Tetrachloroethane	ND	2.1	1.00	BV,ET
Tetrachloroethene	ND	1.0	1.00	BV,ET
Toluene	ND	1.0	1.00	BV,ET
1,2,3-Trichlorobenzene	ND	2.1	1.00	BV,ET
1,2,4-Trichlorobenzene	ND	2.1	1.00	BV,ET
1,1,1-Trichloroethane	ND	1.0	1.00	BV,ET
1,1,2-Trichloroethane	ND	1.0	1.00	BV,ET
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	BV,ET
Trichloroethene	ND	2.1	1.00	BV,ET
Trichlorofluoromethane	ND	10	1.00	BV,ET
1,2,3-Trichloropropane	ND	2.1	1.00	BV,ET
1,2,4-Trimethylbenzene	ND	2.1	1.00	BV,ET
1,3,5-Trimethylbenzene	ND	2.1	1.00	BV,ET
Vinyl Acetate	ND	10	1.00	BV,ET
Vinyl Chloride	ND	1.0	1.00	BV,ET
p/m-Xylene	ND	2.1	1.00	BV,ET
o-Xylene	ND	1.0	1.00	BV,ET
Methyl-t-Butyl Ether (MTBE)	ND	2.1	1.00	BV,ET
Tert-Butyl Alcohol (TBA)	ND	21	1.00	BV,ET
Diisopropyl Ether (DIPE)	ND	1.0	1.00	BV,ET
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	1.00	BV,ET
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	1.00	BV,ET
Ethanol	ND	520	1.00	BV,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 15 of 30

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	123	79-133	
1,2-Dichloroethane-d4	134	71-155	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 10'	**16-03-0104-6-D**	**02/25/16 12:03**	**Solid**	**GC/MS BB**	**03/02/16**	**03/02/16 16:38**	**160302L015**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	46	1.00	BV,ET
Benzene	ND	0.93	1.00	BV,ET
Bromobenzene	ND	0.93	1.00	BV,ET
Bromochloromethane	ND	1.9	1.00	BV,ET
Bromodichloromethane	ND	0.93	1.00	BV,ET
Bromoform	ND	4.6	1.00	BV,ET
Bromomethane	ND	19	1.00	BV,ET
2-Butanone	ND	19	1.00	BV,ET
n-Butylbenzene	ND	0.93	1.00	BV,ET
sec-Butylbenzene	ND	0.93	1.00	BV,ET
tert-Butylbenzene	ND	0.93	1.00	BV,ET
Carbon Disulfide	ND	9.3	1.00	BV,ET
Carbon Tetrachloride	ND	0.93	1.00	BV,ET
Chlorobenzene	ND	0.93	1.00	BV,ET
Chloroethane	ND	1.9	1.00	BV,ET
Chloroform	ND	0.93	1.00	BV,ET
Chloromethane	ND	19	1.00	BV,ET
2-Chlorotoluene	ND	0.93	1.00	BV,ET
4-Chlorotoluene	ND	0.93	1.00	BV,ET
Dibromochloromethane	ND	1.9	1.00	BV,ET
1,2-Dibromo-3-Chloropropane	ND	4.6	1.00	BV,ET
1,2-Dibromoethane	ND	0.93	1.00	BV,ET
Dibromomethane	ND	0.93	1.00	BV,ET
1,2-Dichlorobenzene	ND	0.93	1.00	BV,ET
1,3-Dichlorobenzene	ND	0.93	1.00	BV,ET
1,4-Dichlorobenzene	ND	0.93	1.00	BV,ET
Dichlorodifluoromethane	ND	1.9	1.00	BV,ET
1,1-Dichloroethane	ND	0.93	1.00	BV,ET
1,2-Dichloroethane	ND	0.93	1.00	BV,ET
1,1-Dichloroethene	ND	0.93	1.00	BV,ET
c-1,2-Dichloroethene	ND	0.93	1.00	BV,ET
t-1,2-Dichloroethene	ND	0.93	1.00	BV,ET
1,2-Dichloropropane	ND	0.93	1.00	BV,ET
1,3-Dichloropropane	ND	0.93	1.00	BV,ET
2,2-Dichloropropane	ND	4.6	1.00	BV,ET

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 17 of 30

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.9	1.00	BV,ET
c-1,3-Dichloropropene	ND	0.93	1.00	BV,ET
t-1,3-Dichloropropene	ND	1.9	1.00	BV,ET
Ethylbenzene	ND	0.93	1.00	BV,ET
2-Hexanone	ND	19	1.00	BV,ET
Isopropylbenzene	ND	0.93	1.00	BV,ET
p-Isopropyltoluene	ND	0.93	1.00	BV,ET
Methylene Chloride	ND	9.3	1.00	BV,ET
4-Methyl-2-Pentanone	ND	19	1.00	BV,ET
Naphthalene	ND	9.3	1.00	BV,ET
n-Propylbenzene	ND	1.9	1.00	BV,ET
Styrene	ND	0.93	1.00	BV,ET
1,1,1,2-Tetrachloroethane	ND	0.93	1.00	BV,ET
1,1,2,2-Tetrachloroethane	ND	1.9	1.00	BV,ET
Tetrachloroethene	ND	0.93	1.00	BV,ET
Toluene	ND	0.93	1.00	BV,ET
1,2,3-Trichlorobenzene	ND	1.9	1.00	BV,ET
1,2,4-Trichlorobenzene	ND	1.9	1.00	BV,ET
1,1,1-Trichloroethane	ND	0.93	1.00	BV,ET
1,1,2-Trichloroethane	ND	0.93	1.00	BV,ET
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.3	1.00	BV,ET
Trichloroethene	ND	1.9	1.00	BV,ET
Trichlorofluoromethane	ND	9.3	1.00	BV,ET
1,2,3-Trichloropropane	ND	1.9	1.00	BV,ET
1,2,4-Trimethylbenzene	ND	1.9	1.00	BV,ET
1,3,5-Trimethylbenzene	ND	1.9	1.00	BV,ET
Vinyl Acetate	ND	9.3	1.00	BV,ET
Vinyl Chloride	ND	0.93	1.00	BV,ET
p/m-Xylene	ND	1.9	1.00	BV,ET
o-Xylene	ND	0.93	1.00	BV,ET
Methyl-t-Butyl Ether (MTBE)	ND	1.9	1.00	BV,ET
Tert-Butyl Alcohol (TBA)	ND	19	1.00	BV,ET
Diisopropyl Ether (DIPE)	ND	0.93	1.00	BV,ET
Ethyl-t-Butyl Ether (ETBE)	ND	0.93	1.00	BV,ET
Tert-Amyl-Methyl Ether (TAME)	ND	0.93	1.00	BV,ET
Ethanol	ND	460	1.00	BV,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 18 of 30

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	120	79-133	
1,2-Dichloroethane-d4	132	71-155	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 15'	**16-03-0104-7-D**	**02/26/16 10:10**	**Solid**	**GC/MS BB**	**03/02/16**	**03/02/16 17:06**	**160302L015**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	47	1.00	BV,ET
Benzene	ND	0.94	1.00	BV,ET
Bromobenzene	ND	0.94	1.00	BV,ET
Bromochloromethane	ND	1.9	1.00	BV,ET
Bromodichloromethane	ND	0.94	1.00	BV,ET
Bromoform	ND	4.7	1.00	BV,ET
Bromomethane	ND	19	1.00	BV,ET
2-Butanone	ND	19	1.00	BV,ET
n-Butylbenzene	ND	0.94	1.00	BV,ET
sec-Butylbenzene	ND	0.94	1.00	BV,ET
tert-Butylbenzene	ND	0.94	1.00	BV,ET
Carbon Disulfide	ND	9.4	1.00	BV,ET
Carbon Tetrachloride	ND	0.94	1.00	BV,ET
Chlorobenzene	ND	0.94	1.00	BV,ET
Chloroethane	ND	1.9	1.00	BV,ET
Chloroform	ND	0.94	1.00	BV,ET
Chloromethane	ND	19	1.00	BV,ET
2-Chlorotoluene	ND	0.94	1.00	BV,ET
4-Chlorotoluene	ND	0.94	1.00	BV,ET
Dibromochloromethane	ND	1.9	1.00	BV,ET
1,2-Dibromo-3-Chloropropane	ND	4.7	1.00	BV,ET
1,2-Dibromoethane	ND	0.94	1.00	BV,ET
Dibromomethane	ND	0.94	1.00	BV,ET
1,2-Dichlorobenzene	ND	0.94	1.00	BV,ET
1,3-Dichlorobenzene	ND	0.94	1.00	BV,ET
1,4-Dichlorobenzene	ND	0.94	1.00	BV,ET
Dichlorodifluoromethane	ND	1.9	1.00	BV,ET
1,1-Dichloroethane	ND	0.94	1.00	BV,ET
1,2-Dichloroethane	ND	0.94	1.00	BV,ET
1,1-Dichloroethene	ND	0.94	1.00	BV,ET
c-1,2-Dichloroethene	ND	0.94	1.00	BV,ET
t-1,2-Dichloroethene	ND	0.94	1.00	BV,ET
1,2-Dichloropropane	ND	0.94	1.00	BV,ET
1,3-Dichloropropane	ND	0.94	1.00	BV,ET
2,2-Dichloropropane	ND	4.7	1.00	BV,ET

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 20 of 30

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.9	1.00	BV,ET
c-1,3-Dichloropropene	ND	0.94	1.00	BV,ET
t-1,3-Dichloropropene	ND	1.9	1.00	BV,ET
Ethylbenzene	ND	0.94	1.00	BV,ET
2-Hexanone	ND	19	1.00	BV,ET
Isopropylbenzene	ND	0.94	1.00	BV,ET
p-Isopropyltoluene	ND	0.94	1.00	BV,ET
Methylene Chloride	ND	9.4	1.00	BV,ET
4-Methyl-2-Pentanone	ND	19	1.00	BV,ET
Naphthalene	ND	9.4	1.00	BV,ET
n-Propylbenzene	ND	1.9	1.00	BV,ET
Styrene	ND	0.94	1.00	BV,ET
1,1,1,2-Tetrachloroethane	ND	0.94	1.00	BV,ET
1,1,2,2-Tetrachloroethane	ND	1.9	1.00	BV,ET
Tetrachloroethene	ND	0.94	1.00	BV,ET
Toluene	ND	0.94	1.00	BV,ET
1,2,3-Trichlorobenzene	ND	1.9	1.00	BV,ET
1,2,4-Trichlorobenzene	ND	1.9	1.00	BV,ET
1,1,1-Trichloroethane	ND	0.94	1.00	BV,ET
1,1,2-Trichloroethane	ND	0.94	1.00	BV,ET
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.4	1.00	BV,ET
Trichloroethene	ND	1.9	1.00	BV,ET
Trichlorofluoromethane	ND	9.4	1.00	BV,ET
1,2,3-Trichloropropane	ND	1.9	1.00	BV,ET
1,2,4-Trimethylbenzene	ND	1.9	1.00	BV,ET
1,3,5-Trimethylbenzene	ND	1.9	1.00	BV,ET
Vinyl Acetate	ND	9.4	1.00	BV,ET
Vinyl Chloride	ND	0.94	1.00	BV,ET
p/m-Xylene	ND	1.9	1.00	BV,ET
o-Xylene	ND	0.94	1.00	BV,ET
Methyl-t-Butyl Ether (MTBE)	ND	1.9	1.00	BV,ET
Tert-Butyl Alcohol (TBA)	ND	19	1.00	BV,ET
Diisopropyl Ether (DIPE)	ND	0.94	1.00	BV,ET
Ethyl-t-Butyl Ether (ETBE)	ND	0.94	1.00	BV,ET
Tert-Amyl-Methyl Ether (TAME)	ND	0.94	1.00	BV,ET
Ethanol	ND	470	1.00	BV,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 21 of 30

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	118	79-133	
1,2-Dichloroethane-d4	127	71-155	
Toluene-d8	97	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT 3 @ 20'	**16-03-0104-8-D**	**02/26/16 10:28**	**Solid**	**GC/MS Q**	**03/02/16**	**03/04/16 14:30**	**160304L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	69	1.00	BV,ET
Benzene	ND	1.4	1.00	BV,ET
Bromobenzene	ND	1.4	1.00	BV,ET
Bromochloromethane	ND	2.8	1.00	BV,ET
Bromodichloromethane	ND	1.4	1.00	BV,ET
Bromoform	ND	6.9	1.00	BV,ET
Bromomethane	ND	28	1.00	BV,ET
2-Butanone	ND	28	1.00	BV,ET
n-Butylbenzene	ND	1.4	1.00	BV,ET
sec-Butylbenzene	ND	1.4	1.00	BV,ET
tert-Butylbenzene	ND	1.4	1.00	BV,ET
Carbon Disulfide	ND	14	1.00	BV,ET
Carbon Tetrachloride	ND	1.4	1.00	BV,ET
Chlorobenzene	ND	1.4	1.00	BV,ET
Chloroethane	ND	2.8	1.00	BV,ET
Chloroform	ND	1.4	1.00	BV,ET
Chloromethane	ND	28	1.00	BV,ET
2-Chlorotoluene	ND	1.4	1.00	BV,ET
4-Chlorotoluene	ND	1.4	1.00	BV,ET
Dibromochloromethane	ND	2.8	1.00	BV,ET
1,2-Dibromo-3-Chloropropane	ND	6.9	1.00	BV,ET
1,2-Dibromoethane	ND	1.4	1.00	BV,ET
Dibromomethane	ND	1.4	1.00	BV,ET
1,2-Dichlorobenzene	ND	1.4	1.00	BV,ET
1,3-Dichlorobenzene	ND	1.4	1.00	BV,ET
1,4-Dichlorobenzene	ND	1.4	1.00	BV,ET
Dichlorodifluoromethane	ND	2.8	1.00	BV,ET
1,1-Dichloroethane	ND	1.4	1.00	BV,ET
1,2-Dichloroethane	ND	1.4	1.00	BV,ET
1,1-Dichloroethene	ND	1.4	1.00	BV,ET
c-1,2-Dichloroethene	ND	1.4	1.00	BV,ET
t-1,2-Dichloroethene	ND	1.4	1.00	BV,ET
1,2-Dichloropropane	ND	1.4	1.00	BV,ET
1,3-Dichloropropane	ND	1.4	1.00	BV,ET
2,2-Dichloropropane	ND	6.9	1.00	BV,ET

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 23 of 30

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.8	1.00	BV,ET
c-1,3-Dichloropropene	ND	1.4	1.00	BV,ET
t-1,3-Dichloropropene	ND	2.8	1.00	BV,ET
Ethylbenzene	ND	1.4	1.00	BV,ET
2-Hexanone	ND	28	1.00	BV,ET
Isopropylbenzene	ND	1.4	1.00	BV,ET
p-Isopropyltoluene	ND	1.4	1.00	BV,ET
Methylene Chloride	ND	14	1.00	BV,ET
4-Methyl-2-Pentanone	ND	28	1.00	BV,ET
Naphthalene	ND	14	1.00	BV,ET
n-Propylbenzene	ND	2.8	1.00	BV,ET
Styrene	ND	1.4	1.00	BV,ET
1,1,1,2-Tetrachloroethane	ND	1.4	1.00	BV,ET
1,1,2,2-Tetrachloroethane	ND	2.8	1.00	BV,ET
Tetrachloroethene	ND	1.4	1.00	BV,ET
Toluene	ND	1.4	1.00	BV,ET
1,2,3-Trichlorobenzene	ND	2.8	1.00	BV,ET
1,2,4-Trichlorobenzene	ND	2.8	1.00	BV,ET
1,1,1-Trichloroethane	ND	1.4	1.00	BV,ET
1,1,2-Trichloroethane	ND	1.4	1.00	BV,ET
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	14	1.00	BV,ET
Trichloroethene	ND	2.8	1.00	BV,ET
Trichlorofluoromethane	ND	14	1.00	BV,ET
1,2,3-Trichloropropane	ND	2.8	1.00	BV,ET
1,2,4-Trimethylbenzene	ND	2.8	1.00	BV,ET
1,3,5-Trimethylbenzene	ND	2.8	1.00	BV,ET
Vinyl Acetate	ND	14	1.00	BV,ET
Vinyl Chloride	ND	1.4	1.00	BV,ET
p/m-Xylene	ND	2.8	1.00	BV,ET
o-Xylene	ND	1.4	1.00	BV,ET
Methyl-t-Butyl Ether (MTBE)	ND	2.8	1.00	BV,ET
Tert-Butyl Alcohol (TBA)	ND	28	1.00	BV,ET
Diisopropyl Ether (DIPE)	ND	1.4	1.00	BV,ET
Ethyl-t-Butyl Ether (ETBE)	ND	1.4	1.00	BV,ET
Tert-Amyl-Methyl Ether (TAME)	ND	1.4	1.00	BV,ET
Ethanol	ND	690	1.00	BV,ET

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 24 of 30

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	98	71-155	
Toluene-d8	105	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-27317**	**N/A**	**Solid**	**GC/MS BB**	**03/02/16**	**03/02/16 11:25**	**160302L015**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	50	1.00	
Benzene	ND	1.0	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	2.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	20	1.00	
2-Butanone	ND	20	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	1.0	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	2.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	20	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	2.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	2.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 26 of 30

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.0	1.00	
c-1,3-Dichloropropene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	2.0	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	20	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	20	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	2.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	2.0	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
Trichloroethene	ND	2.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	2.0	1.00	
1,2,4-Trimethylbenzene	ND	2.0	1.00	
1,3,5-Trimethylbenzene	ND	2.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	1.0	1.00	
p/m-Xylene	ND	2.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	20	1.00	
Diisopropyl Ether (DIPE)	ND	1.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	1.00	
Ethanol	ND	500	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 27 of 30

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	114	79-133	
1,2-Dichloroethane-d4	130	71-155	
Toluene-d8	97	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: SD458 Mitsubishi Cement Facility

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-27330**	**N/A**	**Solid**	**GC/MS Q**	**03/04/16**	**03/04/16 12:49**	**160304L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	50	1.00	
Benzene	ND	1.0	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	2.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	20	1.00	
2-Butanone	ND	20	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	1.0	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	2.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	20	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	2.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	2.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 29 of 30

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.0	1.00	
c-1,3-Dichloropropene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	2.0	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	20	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	20	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	2.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	2.0	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
Trichloroethene	ND	2.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	2.0	1.00	
1,2,4-Trimethylbenzene	ND	2.0	1.00	
1,3,5-Trimethylbenzene	ND	2.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	1.0	1.00	
p/m-Xylene	ND	2.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	20	1.00	
Diisopropyl Ether (DIPE)	ND	1.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	1.00	
Ethanol	ND	500	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: SD458 Mitsubishi Cement Facility		Page 30 of 30

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	99	71-155	
Toluene-d8	104	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)
Project: SD458 Mitsubishi Cement Facility		Page 1 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
CPT 3 @ 20'	**Sample**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 22:21**	**160302S06**
CPT 3 @ 20'	**Matrix Spike**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 23:25**	**160302S06**
CPT 3 @ 20'	**Matrix Spike Duplicate**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 23:41**	**160302S06**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	ND	400.0	440.4	110	479.1	120	64-130	8	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Group Delta Consultants, Inc.		Date Received:	03/01/16
9245 Activity Road, Suite 103		Work Order:	16-03-0104
San Diego, CA 92126-4442		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: SD458 Mitsubishi Cement Facility			Page 2 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
CPT 3 @ 20'	**Sample**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 22:21**	**160302S05**
CPT 3 @ 20'	**Matrix Spike**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 22:53**	**160302S05**
CPT 3 @ 20'	**Matrix Spike Duplicate**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 23:09**	**160302S05**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	6.487	400.0	324.3	79	333.8	82	64-130	3	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 3050B
	Method:	EPA 6010B
Project: SD458 Mitsubishi Cement Facility		Page 3 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
16-03-0095-22	**Sample**	**Solid**	**ICP 7300**	**03/02/16**	**03/02/16 22:42**	**160302S03**
16-03-0095-22	**Matrix Spike**	**Solid**	**ICP 7300**	**03/02/16**	**03/02/16 22:44**	**160302S03**
16-03-0095-22	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**03/02/16**	**03/02/16 22:45**	**160302S03**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	7.223	29	8.125	32	50-115	12	0-20	3
Arsenic	11.03	25.00	36.50	102	39.06	112	75-125	7	0-20	
Barium	31.57	25.00	57.70	105	60.61	116	75-125	5	0-20	
Beryllium	0.3307	25.00	25.62	101	27.89	110	75-125	8	0-20	
Cadmium	1.892	25.00	25.18	93	27.63	103	75-125	9	0-20	
Chromium	20.73	25.00	48.44	111	52.17	126	75-125	7	0-20	3
Cobalt	3.300	25.00	27.73	98	29.58	105	75-125	6	0-20	
Copper	7.508	25.00	31.99	98	34.82	109	75-125	8	0-20	
Lead	2.034	25.00	25.95	96	27.59	102	75-125	6	0-20	
Molybdenum	4.128	25.00	27.69	94	29.67	102	75-125	7	0-20	
Nickel	25.41	25.00	51.30	104	53.59	113	75-125	4	0-20	
Selenium	0.7615	25.00	24.99	97	28.01	109	75-125	11	0-20	
Silver	ND	12.50	12.47	100	13.67	109	75-125	9	0-20	
Thallium	ND	25.00	9.324	37	14.57	58	75-125	44	0-20	3,4
Vanadium	19.68	25.00	47.00	109	51.95	129	75-125	10	0-20	3
Zinc	38.08	25.00	61.55	94	66.10	112	75-125	7	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 7471A Total
	Method:	EPA 7471A
Project: SD458 Mitsubishi Cement Facility		Page 4 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
16-03-0098-1	**Sample**	**Solid**	**Mercury 05**	**03/04/16**	**03/04/16 19:28**	**160304S03**
16-03-0098-1	**Matrix Spike**	**Solid**	**Mercury 05**	**03/04/16**	**03/04/16 19:30**	**160304S03**
16-03-0098-1	**Matrix Spike Duplicate**	**Solid**	**Mercury 05**	**03/04/16**	**03/04/16 19:32**	**160304S03**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.8521	102	0.8630	103	80-120	1	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 3545
	Method:	EPA 8081A
Project: SD458 Mitsubishi Cement Facility		Page 5 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
CPT-1 @ 5'	**Sample**	**Solid**	**GC 51**	**03/02/16**	**03/03/16 11:59**	**160302S05**
CPT-1 @ 5'	**Matrix Spike**	**Solid**	**GC 51**	**03/02/16**	**03/03/16 11:30**	**160302S05**
CPT-1 @ 5'	**Matrix Spike Duplicate**	**Solid**	**GC 51**	**03/02/16**	**03/03/16 11:45**	**160302S05**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	20.50	82	20.03	80	50-135	2	0-25	
Alpha-BHC	ND	25.00	20.43	82	20.18	81	50-135	1	0-25	
Beta-BHC	ND	25.00	21.76	87	21.41	86	50-135	2	0-25	
4,4'-DDD	ND	25.00	23.01	92	22.13	89	50-135	4	0-25	
4,4'-DDE	ND	25.00	24.11	96	23.78	95	50-135	1	0-25	
4,4'-DDT	ND	25.00	26.11	104	25.74	103	50-135	1	0-25	
Delta-BHC	ND	25.00	24.25	97	23.83	95	50-135	2	0-25	
Dieldrin	ND	25.00	22.92	92	22.25	89	50-135	3	0-25	
Endosulfan I	ND	25.00	21.86	87	21.03	84	50-135	4	0-25	
Endosulfan II	ND	25.00	24.09	96	22.92	92	50-135	5	0-25	
Endosulfan Sulfate	ND	25.00	24.19	97	22.63	91	50-135	7	0-25	
Endrin	ND	25.00	23.86	95	23.26	93	50-135	3	0-25	
Endrin Aldehyde	ND	25.00	20.03	80	19.55	78	50-135	2	0-25	
Gamma-BHC	ND	25.00	22.22	89	21.64	87	50-135	3	0-25	
Heptachlor	ND	25.00	20.40	82	19.98	80	50-135	2	0-25	
Heptachlor Epoxide	ND	25.00	21.52	86	20.79	83	50-135	3	0-25	
Methoxychlor	ND	25.00	25.36	101	24.23	97	50-135	5	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 3545
	Method:	EPA 8082
Project: SD458 Mitsubishi Cement Facility		Page 6 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
CPT 3 @ 10'	**Sample**	**Solid**	**GC 58**	**03/02/16**	**03/02/16 20:33**	**160302S02**
CPT 3 @ 10'	**Matrix Spike**	**Solid**	**GC 58**	**03/02/16**	**03/02/16 17:59**	**160302S02**
CPT 3 @ 10'	**Matrix Spike Duplicate**	**Solid**	**GC 58**	**03/02/16**	**03/02/16 18:17**	**160302S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	94.49	94	89.87	90	50-135	5	0-20	
Aroclor-1260	ND	100.0	88.94	89	83.71	84	50-135	6	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 3545
	Method:	EPA 8141A
Project: SD458 Mitsubishi Cement Facility		Page 7 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
16-03-0215-1	**Sample**	**Solid**	**GC 26**	**03/04/16**	**03/07/16 10:19**	**160304S03**
16-03-0215-1	**Matrix Spike**	**Solid**	**GC 26**	**03/04/16**	**03/07/16 15:28**	**160304S03**
16-03-0215-1	**Matrix Spike Duplicate**	**Solid**	**GC 26**	**03/04/16**	**03/07/16 16:12**	**160304S03**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	ND	4.000	2.939	73	3.238	81	30-130	10	0-30	
Bolstar	ND	4.000	3.437	86	3.767	94	30-130	9	0-30	
Chlorpyrifos	ND	4.000	3.126	78	3.440	86	30-130	10	0-30	
Coumaphos	ND	4.000	2.859	71	3.081	77	30-130	7	0-30	
Diazinon	ND	4.000	4.107	103	3.635	91	30-130	12	0-30	
Disulfoton	ND	4.000	2.774	69	3.007	75	30-130	8	0-30	
Ethoprop	ND	4.000	2.991	75	3.308	83	30-130	10	0-30	
Fensulfothion	ND	4.000	2.755	69	3.058	76	30-130	10	0-30	
Fenthion	ND	4.000	2.382	60	2.589	65	30-130	8	0-30	
Merphos	ND	4.000	4.085	102	4.538	113	30-130	11	0-30	
Methyl Parathion	ND	4.000	3.163	79	3.716	93	30-130	16	0-30	
Phorate	ND	4.000	3.392	85	3.720	93	30-130	9	0-30	
Ronnel	ND	4.000	2.783	70	3.283	82	30-130	16	0-30	
Stirophos	ND	4.000	2.139	53	2.366	59	30-130	10	0-30	
Tokuthion	ND	4.000	2.666	67	2.900	72	30-130	8	0-30	
Trichloronate	ND	4.000	3.074	77	3.416	85	30-130	11	0-30	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 8151A
	Method:	EPA 8151A
Project: SD458 Mitsubishi Cement Facility		Page 8 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
CPT 1 @ 20'	**Sample**	**Solid**	**GC 40**	**03/04/16**	**03/08/16 12:14**	**160304S11**
CPT 1 @ 20'	**Matrix Spike**	**Solid**	**GC 40**	**03/04/16**	**03/08/16 12:37**	**160304S11**
CPT 1 @ 20'	**Matrix Spike Duplicate**	**Solid**	**GC 40**	**03/04/16**	**03/08/16 13:00**	**160304S11**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
2,4-D	ND	400.0	397.5	99	372.2	93	30-130	7	0-30	
2,4,5-T	ND	40.00	40.00	100	33.90	85	30-130	17	0-30	
2,4-DB	ND	400.0	412.7	103	383.2	96	30-130	7	0-30	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Group Delta Consultants, Inc.		Date Received:	03/01/16
9245 Activity Road, Suite 103		Work Order:	16-03-0104
San Diego, CA 92126-4442		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: SD458 Mitsubishi Cement Facility			Page 1 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-420-1709	**LCS**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 20:29**	**160302B06**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Motor Oil	400.0	482.3	121	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Group Delta Consultants, Inc.		Date Received:	03/01/16
9245 Activity Road, Suite 103		Work Order:	16-03-0104
San Diego, CA 92126-4442		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: SD458 Mitsubishi Cement Facility			Page 2 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-422-2313	**LCS**	**Solid**	**GC 48**	**03/02/16**	**03/02/16 20:13**	**160302B05**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	372.2	93	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Group Delta Consultants, Inc.	Date Received: 03/01/16
9245 Activity Road, Suite 103	Work Order: 16-03-0104
San Diego, CA 92126-4442	Preparation: EPA 5035
	Method: EPA 8015B (M)
Project: SD458 Mitsubishi Cement Facility	Page 3 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-285-5776	**LCS**	**Solid**	**GC 25**	**03/02/16**	**03/03/16 00:50**	**160302L063**
099-12-285-5776	**LCSD**	**Solid**	**GC 25**	**03/02/16**	**03/03/16 01:25**	**160302L063**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2.000	2.086	104	2.054	103	55-139	2	0-18	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Group Delta Consultants, Inc.	Date Received: 03/01/16
9245 Activity Road, Suite 103	Work Order: 16-03-0104
San Diego, CA 92126-4442	Preparation: EPA 5035
	Method: EPA 8015B (M)
Project: SD458 Mitsubishi Cement Facility	Page 4 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-285-5777	**LCS**	**Solid**	**GC 25**	**03/03/16**	**03/03/16 20:26**	**160303L050**
099-12-285-5777	**LCSD**	**Solid**	**GC 25**	**03/03/16**	**03/03/16 21:01**	**160303L050**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2.000	2.152	108	2.144	107	55-139	0	0-18	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Group Delta Consultants, Inc.	Date Received:	03/01/16
9245 Activity Road, Suite 103	Work Order:	16-03-0104
San Diego, CA 92126-4442	Preparation:	EPA 3050B
	Method:	EPA 6010B
Project: SD458 Mitsubishi Cement Facility		Page 5 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-22402	**LCS**	**Solid**	**ICP 7300**	**03/02/16**	**03/02/16 21:40**	**160302L03**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	24.88	100	80-120	73-127	
Arsenic	25.00	25.14	101	80-120	73-127	
Barium	25.00	26.45	106	80-120	73-127	
Beryllium	25.00	24.34	97	80-120	73-127	
Cadmium	25.00	25.84	103	80-120	73-127	
Chromium	25.00	25.80	103	80-120	73-127	
Cobalt	25.00	27.26	109	80-120	73-127	
Copper	25.00	25.68	103	80-120	73-127	
Lead	25.00	27.03	108	80-120	73-127	
Molybdenum	25.00	25.84	103	80-120	73-127	
Nickel	25.00	27.12	108	80-120	73-127	
Selenium	25.00	24.74	99	80-120	73-127	
Silver	12.50	12.34	99	80-120	73-127	
Thallium	25.00	27.28	109	80-120	73-127	
Vanadium	25.00	24.79	99	80-120	73-127	
Zinc	25.00	25.78	103	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Group Delta Consultants, Inc.		Date Received:	03/01/16
9245 Activity Road, Suite 103		Work Order:	16-03-0104
San Diego, CA 92126-4442		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: SD458 Mitsubishi Cement Facility			Page 6 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-272-1969	**LCS**	**Solid**	**Mercury 05**	**03/04/16**	**03/04/16 19:26**	**160304L03**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.8709	104	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Group Delta Consultants, Inc.		Date Received:	03/01/16
9245 Activity Road, Suite 103		Work Order:	16-03-0104
San Diego, CA 92126-4442		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: SD458 Mitsubishi Cement Facility			Page 7 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2362	**LCS**	**Solid**	**GC 51**	**03/02/16**	**03/03/16 11:02**	**160302L05**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	25.49	102	50-135	36-149	
Alpha-BHC	25.00	26.00	104	50-135	36-149	
Beta-BHC	25.00	23.84	95	50-135	36-149	
4,4'-DDD	25.00	22.41	90	50-135	36-149	
4,4'-DDE	25.00	25.41	102	50-135	36-149	
4,4'-DDT	25.00	26.08	104	50-135	36-149	
Delta-BHC	25.00	26.79	107	50-135	36-149	
Dieldrin	25.00	25.24	101	50-135	36-149	
Endosulfan I	25.00	24.32	97	50-135	36-149	
Endosulfan II	25.00	24.40	98	50-135	36-149	
Endosulfan Sulfate	25.00	24.08	96	50-135	36-149	
Endrin	25.00	26.13	105	50-135	36-149	
Endrin Aldehyde	25.00	17.84	71	50-135	36-149	
Gamma-BHC	25.00	27.24	109	50-135	36-149	
Heptachlor	25.00	28.20	113	50-135	36-149	
Heptachlor Epoxide	25.00	24.73	99	50-135	36-149	
Methoxychlor	25.00	24.34	97	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Group Delta Consultants, Inc.		Date Received:	03/01/16
9245 Activity Road, Suite 103		Work Order:	16-03-0104
San Diego, CA 92126-4442		Preparation:	EPA 3545
		Method:	EPA 8082
Project: SD458 Mitsubishi Cement Facility			Page 8 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-535-3643	**LCS**	**Solid**	**GC 58**	**03/02/16**	**03/02/16 17:41**	**160302L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	88.82	89	50-135	
Aroclor-1260	100.0	82.34	82	50-135	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Group Delta Consultants, Inc.		Date Received:	03/01/16
9245 Activity Road, Suite 103		Work Order:	16-03-0104
San Diego, CA 92126-4442		Preparation:	EPA 3545
		Method:	EPA 8141A
Project: SD458 Mitsubishi Cement Facility			Page 9 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-973-246	**LCS**	**Solid**	**GC 26**	**03/04/16**	**03/07/16 16:56**	**160304L03**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Azinphos Methyl	4.000	3.131	78	30-130	13-147	
Bolstar	4.000	3.740	94	30-130	13-147	
Chlorpyrifos	4.000	3.393	85	30-130	13-147	
Coumaphos	4.000	3.096	77	30-130	13-147	
Diazinon	4.000	3.862	97	30-130	13-147	
Disulfoton	4.000	2.842	71	30-130	13-147	
Ethoprop	4.000	3.357	84	30-130	13-147	
Fensulfothion	4.000	3.202	80	30-130	13-147	
Fenthion	4.000	2.598	65	30-130	13-147	
Merphos	4.000	4.507	113	30-130	13-147	
Methyl Parathion	4.000	4.063	102	30-130	13-147	
Phorate	4.000	3.647	91	30-130	13-147	
Ronnel	4.000	3.266	82	30-130	13-147	
Stirophos	4.000	2.345	59	30-130	13-147	
Tokuthion	4.000	2.810	70	30-130	13-147	
Trichloronate	4.000	3.318	83	30-130	13-147	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Group Delta Consultants, Inc.		Date Received:	03/01/16
9245 Activity Road, Suite 103		Work Order:	16-03-0104
San Diego, CA 92126-4442		Preparation:	EPA 8151A
		Method:	EPA 8151A
Project: SD458 Mitsubishi Cement Facility			Page 10 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
095-01-033-1348	**LCS**	**Solid**	**GC 40**	**03/04/16**	**03/07/16 11:03**	**160304L11**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
2,4-D	400.0	307.9	77	30-130	
2,4,5-T	40.00	33.50	84	30-130	
2,4-DB	400.0	337.2	84	30-130	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 5035
Method: EPA 8260B

Project: SD458 Mitsubishi Cement Facility

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-27330	**LCS**	**Solid**	**GC/MS Q**	**03/04/16**	**03/04/16 11:19**	**160304L009**
095-01-025-27330	**LCSD**	**Solid**	**GC/MS Q**	**03/04/16**	**03/04/16 11:45**	**160304L009**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	45.07	90	45.38	91	80-120	73-127	1	0-20	
Carbon Tetrachloride	50.00	62.53	125	62.84	126	65-137	53-149	0	0-20	
Chlorobenzene	50.00	47.51	95	46.57	93	80-120	73-127	2	0-20	
1,2-Dibromoethane	50.00	45.80	92	49.52	99	80-120	73-127	8	0-20	
1,2-Dichlorobenzene	50.00	49.17	98	49.76	100	80-120	73-127	1	0-20	
1,2-Dichloroethane	50.00	42.88	86	42.30	85	80-120	73-127	1	0-20	
1,1-Dichloroethene	50.00	44.11	88	41.69	83	68-128	58-138	6	0-20	
Ethylbenzene	50.00	48.44	97	46.01	92	80-120	73-127	5	0-20	
Toluene	50.00	47.94	96	45.72	91	80-120	73-127	5	0-20	
Trichloroethene	50.00	46.55	93	46.74	93	80-120	73-127	0	0-20	
Vinyl Chloride	50.00	50.39	101	49.38	99	67-127	57-137	2	0-20	
p/m-Xylene	100.0	95.19	95	89.74	90	75-125	67-133	6	0-25	
o-Xylene	50.00	47.52	95	45.29	91	75-125	67-133	5	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	42.50	85	46.18	92	70-124	61-133	8	0-20	
Tert-Butyl Alcohol (TBA)	250.0	240.0	96	240.7	96	73-121	65-129	0	0-20	
Diisopropyl Ether (DIPE)	50.00	47.76	96	50.50	101	69-129	59-139	6	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	48.94	98	52.68	105	70-124	61-133	7	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	44.56	89	45.63	91	74-122	66-130	2	0-20	
Ethanol	500.0	342.7	69	312.2	62	51-135	37-149	9	0-27	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126-4442

Date Received: 03/01/16
Work Order: 16-03-0104
Preparation: EPA 5035
Method: EPA 8260B

Project: SD458 Mitsubishi Cement Facility

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-27317	**LCS**	**Solid**	**GC/MS BB**	**03/02/16**	**03/02/16 09:39**	**160302L015**
095-01-025-27317	**LCSD**	**Solid**	**GC/MS BB**	**03/02/16**	**03/02/16 10:19**	**160302L015**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	52.45	105	51.01	102	80-120	73-127	3	0-20	
Carbon Tetrachloride	50.00	68.00	136	64.97	130	65-137	53-149	5	0-20	
Chlorobenzene	50.00	52.48	105	51.23	102	80-120	73-127	2	0-20	
1,2-Dibromoethane	50.00	52.06	104	52.09	104	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	50.00	50.70	101	49.78	100	80-120	73-127	2	0-20	
1,2-Dichloroethane	50.00	56.47	113	55.90	112	80-120	73-127	1	0-20	
1,1-Dichloroethene	50.00	61.18	122	59.45	119	68-128	58-138	3	0-20	
Ethylbenzene	50.00	54.62	109	52.22	104	80-120	73-127	4	0-20	
Toluene	50.00	53.58	107	51.96	104	80-120	73-127	3	0-20	
Trichloroethene	50.00	54.82	110	53.03	106	80-120	73-127	3	0-20	
Vinyl Chloride	50.00	54.53	109	52.70	105	67-127	57-137	3	0-20	
p/m-Xylene	100.0	111.6	112	107.5	108	75-125	67-133	4	0-25	
o-Xylene	50.00	54.51	109	52.67	105	75-125	67-133	3	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	50.70	101	50.62	101	70-124	61-133	0	0-20	
Tert-Butyl Alcohol (TBA)	250.0	246.4	99	237.1	95	73-121	65-129	4	0-20	
Diisopropyl Ether (DIPE)	50.00	55.69	111	55.04	110	69-129	59-139	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	53.15	106	52.66	105	70-124	61-133	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	54.66	109	53.96	108	74-122	66-130	1	0-20	
Ethanol	500.0	465.2	93	432.4	86	51-135	37-149	7	0-27	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 16-03-0104 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3050B	935	ICP 7300	1
EPA 7471A	EPA 7471A Total	915	Mercury 05	1
EPA 8015B (M)	EPA 5035	1063	GC 25	2
EPA 8015B (M)	EPA 3550B	682	GC 48	1
EPA 8015B (M)	EPA 3550B	974	GC 48	1
EPA 8081A	EPA 3545	669	GC 51	1
EPA 8082	EPA 3545	944	GC 58	1
EPA 8141A	EPA 3545	960	GC 26	1
EPA 8151A	EPA 8151A	944	GC 40	1
EPA 8260B	EPA 5035	884	GC/MS BB	2
EPA 8260B	EPA 5035	1055	GC/MS Q	2

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Glossary of Terms and Qualifiers

Work Order: 16-03-0104 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Virendra Patel

From: Matt Fagan <mattf@groupdelta.com>
Sent: Wednesday, March 02, 2016 11:21 AM
To: Virendra Patel; Ray Frigillana
Cc: Erick Ovalle
Subject: RE: SD458 Mistubishi Cement Facility - ECI Work order #16-03-0104

Virendra,

Yes, please make all of the changes you note below to our project work order. I confirmed with Ray that the last portion of sample CPT-3 @ 10' was collected on the following day because the CPT rig broke down during sampling. You can place that portion of the sample on hold, and use it only if you need additional material to complete the testing. Also, I've provided an excerpt below from the RFP that describes the required testing for your information. Please let me know if you feel that we missed anything. Feel free to call or email with any questions or comments, or if you need anything else. Thanks again for all of your help with this.

At a California Department of Public Health certified analytical laboratory the samples for environmental testing shall be analyzed. The analysis shall include but not limited to the following analytical program for each sample submitted:

- Total petroleum hydrocarbons as gasoline/diesel/oil range organics (TPH-g/d/o) by EPA Method 8015M
- Volatile organic compounds (VOCs) by EPA Method 8260B
- Title 22 metals by EPA Method 6010B/7471A
- Semi-volatile organic compounds by EPA Method 8270C
- Polychlorinated biphenyls (PCBs) by EPA Method 8082
- Organochlorine pesticides by EPA Method 8081A
- Organophosphorus pesticides by EPA Method 8141A
- Chlorinated herbicides by EPA Method 8151A

Matthew A. Fagan, PE, GE
Senior Geotechnical Engineer
Group Delta Consultants, Inc.
9245 Activity Road, Suite 103
San Diego, CA 92126
mattf@groupdelta.com
Voice (858) 536-1000
Fax (858) 536-8311

From: Virendra Patel [mailto:VirendraPatel@eurofinsUS.com]
Sent: Wednesday, March 02, 2016 11:02 AM
To: Matt Fagan <mattf@groupdelta.com>; Ray Frigillana <rayf@groupdelta.com>
Cc: Erick Ovalle <ErickOvalle@eurofinsUS.com>
Subject: SD458 Mistubishi Cement Facility - ECI Work order #16-03-0104
Importance: High

Matt,

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Hi. Per our conversation, please confirm the following changes for the subject project/ECI work order # (see attached COC):

1. TAT should be standard for all tests.
2. TPH C6-C44/5035 request should be changed to: TPH-g/5035, TPH-d and TPH-motor oil
3. T22 Metals/8270C should be changed to: EPA 6010B/7471A
4. CPT 3 @ 10' collected on 02/26/16 @ 09:55 should be placed on hold.
5. Encore samples for EPA 5035 methods were received outside of 48 hr hold time, these should be extracted and used for analyses. Data will be flagged as received outside holding time.

Your response to this email will placed in the file as record for the changes.

Please call with any questions or concerns.

Best Regards,

Virendra Patel
Project Manager

Eurofins Calscience, Inc.
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Garden Grove, CA 92841
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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: **16-03-0104**

DATE: 2/25/16 - 2/26/16

PAGE: 1 OF 1

LABORATORY CLIENT: Group Delta

ADDRESS: 9245 Activity Road, Suite 103

CITY: San Diego STATE: CA ZIP: 92126

TEL: 858-536-1000 E-MAIL: rayf@groupdelta.com

CLIENT PROJECT NAME / NUMBER: SD458 Mitsubishi Cement Facility

P.O. NO.:

PROJECT CONTACT: Ray Frigillana / MATT FAGAN

SAMPLER(S): (PRINT) RAY FRIGILLANA

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR **X 72 HR** ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	VOCs (8260B) 5035 Sampling	TPH C6-C44 (8015M) 5035 sampling	T22 Metals (8270C)	PCBs (8082)	OCBs (8081A)	Organophosphorus pesticides (8141A)	Chlorinated Herbicides (8151A)
1	CPT-1 @ 5'	2/25/16	1025	soil	7				/	/	/	/	/	/	/
2	CPT 1 @ 10'		1036	soil	7										
3	CPT 1 @ 15'		1057	soil	7										
4	CPT 1 @ 20'		1120	soil	7										
5	CPT-3 @ 5'	2/25/16	1150	soil	7										
6	CPT 3 @ 10'		1203	soil	6										
7	CPT 3 @ 15'	PU 2/26/16	1010	soil	7										
8	CPT 3 @ 20'		1028	soil	7										
9	CPT 3 @ 10'	2/26/16	0955	SOIL	1										

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Matthew A Fagan	ECI	3/1/16	13:45
	ECI	3/1/16	1840

06/02/14 Revision

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WORK ORDER NUMBER: 16-03- 0104

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: GROUP DELTA

DATE: 03 / 01 / 2016

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC4B (CF: +0.3°C); Temperature (w/o CF): 2.8 °C (w/ CF): 3.1 °C; ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 671

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 671

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1058

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☐	☑	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☑ No analysis requested (F9) ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☐	☑	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☑ Sleeve (5) ☑ EnCores® (5) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1058

Reviewed by: 659

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WORK ORDER NUMBER: 16-03- 0164

SAMPLE ANOMALY REPORT

DATE: 03 / 01 / 2016

SAMPLES, CONTAINERS, AND LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☑ Holding time expired (list client or ECI sample ID and analysis)
- ☐ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☐ Client sample label(s) do not match COC (comment)
  - ☐ Project information
  - ☐ Client sample ID
  - ☐ Sampling date and/or time
  - ☐ Number of container(s)
  - ☐ Requested analysis
- ☐ Sample container(s) compromised (comment)
  - ☐ Broken
  - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (not transferred; duplicate bag submitted)
  - ☐ Leaking (transferred into ECI Tedlar™ bags*)
  - ☐ Leaking (transferred into client's Tedlar™ bags*)

* Transferred at client's request.

Comments

(-1) thru (-8) Received Encores for 8260 Expired

MISCELLANEOUS: (Describe)

Comments

HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

(Containers with bubble for other analysis)

ECI Sample ID	ECI Container ID	Total Number**	Requested Analysis

Comments:

Reported by: 1058

Reviewed by: 689

** Record the total number of containers (i.e., vials or bottles) for the affected sample.

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APPENDIX D
LIQUEFACTION ANALYSIS

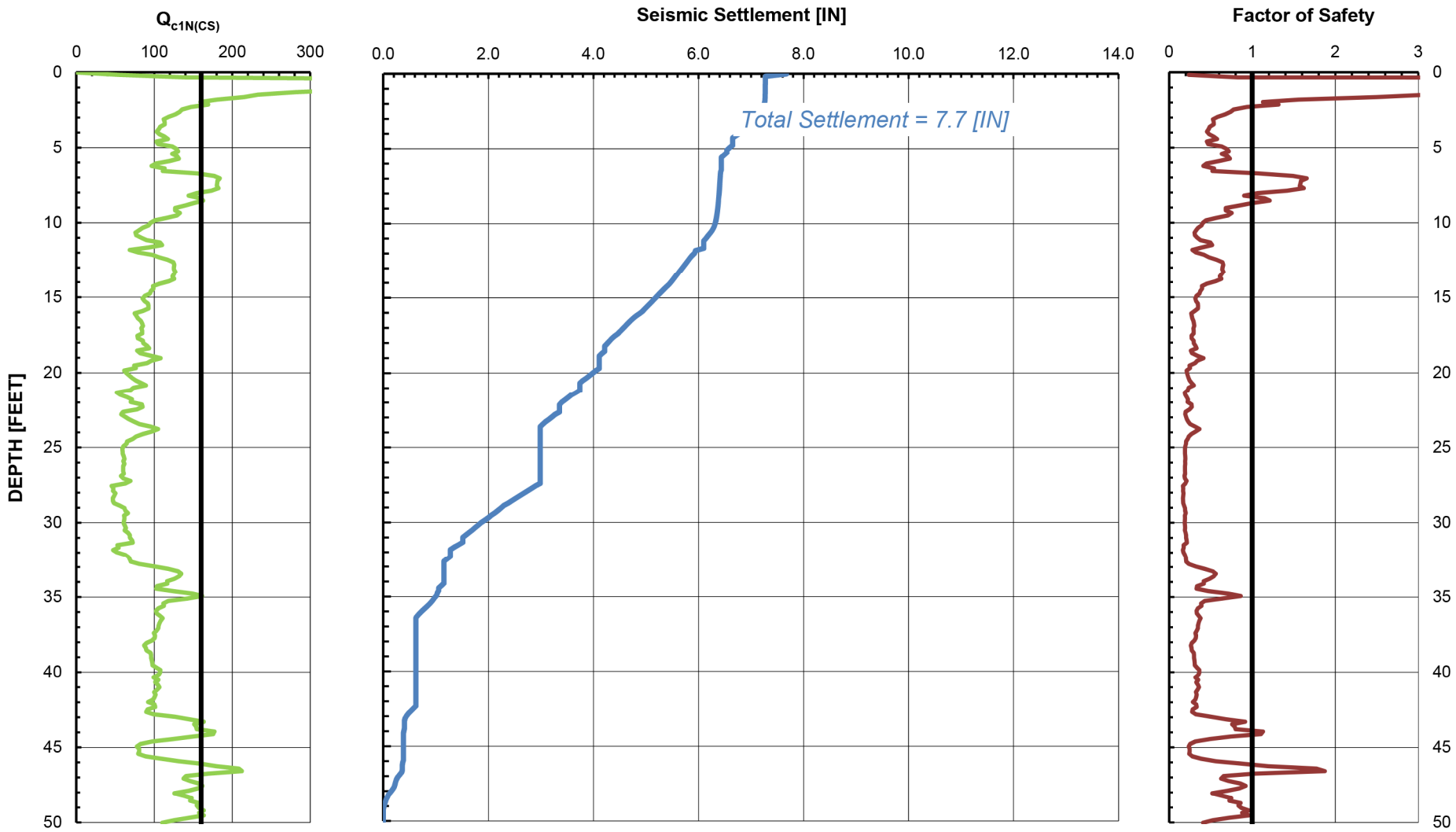
APPENDIX D

LIQUEFACTION ANALYSIS

Liquefaction analyses were performed using the data gathered from the three CPT soundings we conducted at the site. The results of these analyses are summarized in Figures D-1 through D-3. The analyses were based on the simplified procedures originally developed by Seed and Idriss, and were conducted in general accordance with the recommended procedures for implementation of DMG special publication 117 (SCEC, 1999). The tip resistance (Qc) was normalized for overburden pressure and corrected for fines content using the procedures described in the referenced document (Youd et al., 2001). The resulting "Normalized Clean Sand Equivalent Tip Resistance" is designated by the symbol $Q_{c1N(CS)}$ in the following figures. The CPT fines correction was based on the Soil Behavior Type Index (Ic). For each sounding, both the Normalized Tip Resistance and Factor of Safety against liquefaction are plotted versus depth in the upper 50 feet of the soil profile. A static groundwater level of 4.6 feet MLLW was used for all of the liquefaction analyses.

The central chart for each CPT sounding shows the estimated dynamic settlement resulting from a seismic demand equal to the geometric mean MCE Peak Ground Acceleration (PGA_M) of 0.559g, based on the requirements of Section 11.8.3 of ASCE 7-10 for a Seismic Design Category D. At depths where the seismically induced shear stress exceeds the stress required to cause liquefaction, the Factor of Safety is less than 1.0, and the potential may exist for liquefaction. However, fine-grained soils with an Ic value greater than 2.6 are generally considered to be too clayey to liquefy (the Ic values were shown in Appendix A). Similarly, granular soils with a normalized clean sand equivalent tip resistance ($Q_{c1N(CS)}$) greater than 160 are generally considered too dense to liquefy. Only those soil zones that are both loose enough and sandy enough to liquefy contribute to the estimated settlement.

The liquefaction analyses suggest that the existing Warehouse C-7 structure may experience total dynamic settlements ranging from approximately 7 to 8 inches. A differential settlement equal to about one-half of the anticipated total liquefaction settlement is typically assumed for structural design (SCEC, 1999). Consequently, we estimate that the post-liquefaction differential settlement of the existing structure may vary from about 3½ to 4 inches in 40 feet at the site.

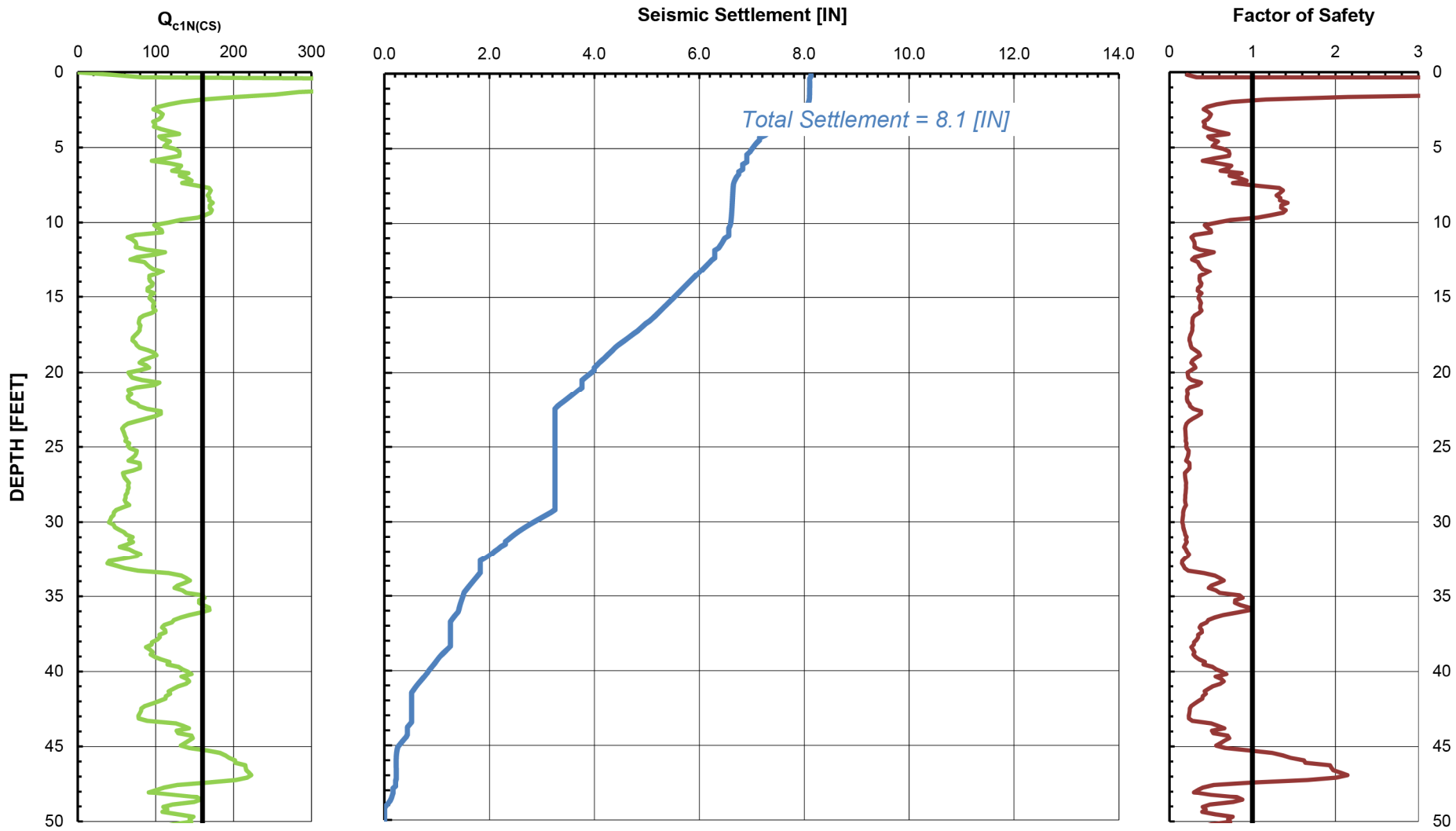


GROUP DELTA

DYNAMIC SETTLEMENT (CPT-1)

(Seismic Demand ~ 0.559g)

Document No. 16-0033
Project No. SD458
FIGURE D-1

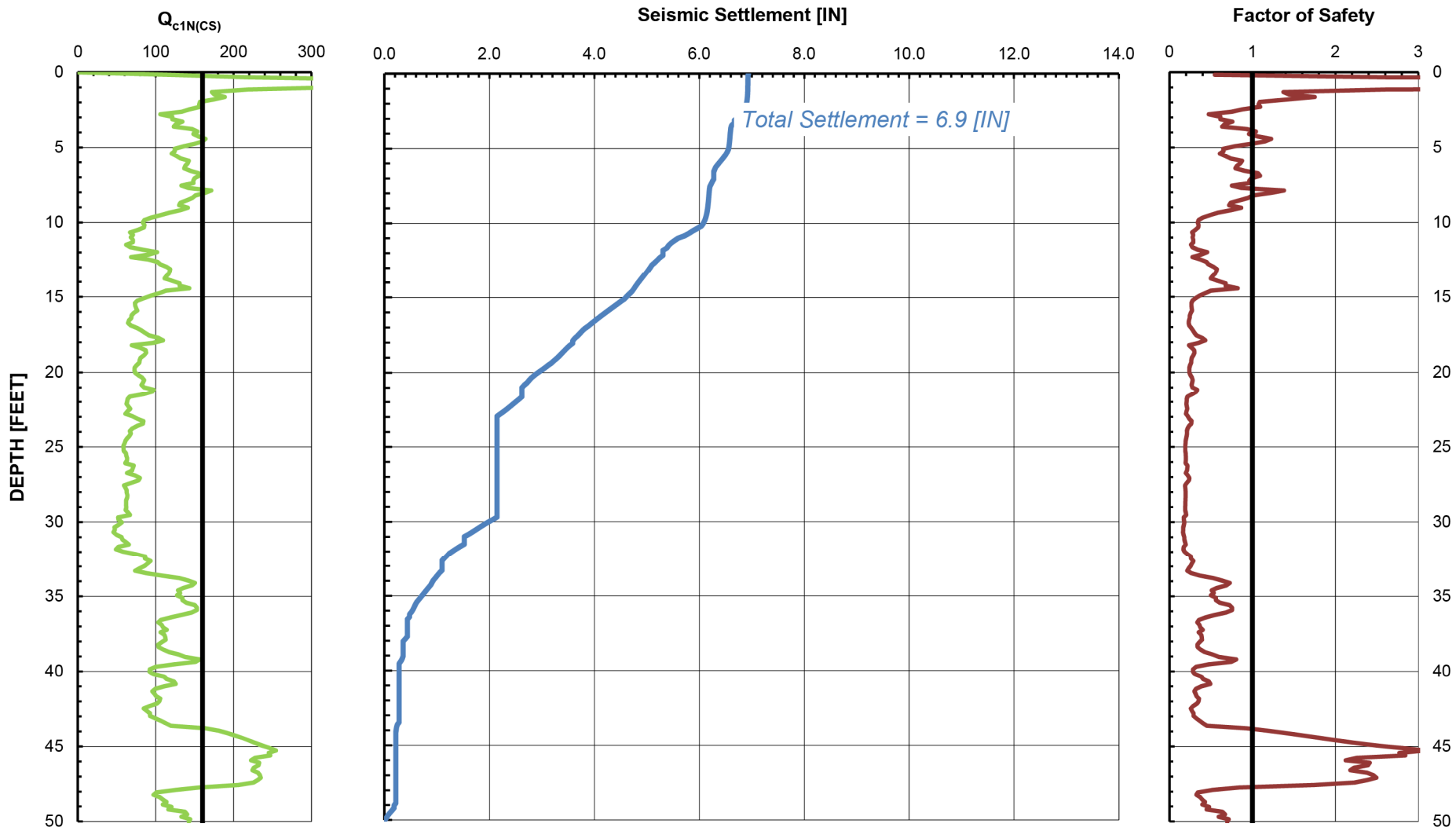


GROUP DELTA

DYNAMIC SETTLEMENT (CPT-2)

(Seismic Demand ~ 0.559g)

Document No. 16-0033
Project No. SD458
FIGURE D-2



GROUP DELTA

DYNAMIC SETTLEMENT (CPT-3)

(Seismic Demand ~ 0.559g)

Document No. 16-0033
Project No. SD458
FIGURE D-3

Appendix B

Report of Geotechnical Investigation
10th Avenue Marine Terminal (Warehouse C)
Cement Unloading Facility, San Diego, California

Please refer to SEIR Appendix A1 (Initial Study, Environmental Checklist, Notice of Preparation), Initial Study/Environmental Checklist Appendix A (Report of Geotechnical Investigation), for a copy of the Final Report of Geotechnical Investigation, 10th Avenue Marine Terminal (Warehouse C) Cement Unloading Facility, San Diego, California (Group Delta Consultants, Inc., February 28, 2017).

Appendix C

Air Quality and Greenhouse Gas Calculations

- **Air Quality and Greenhouse Gas Technical Memorandum**
- **CAP and Executive Order Targets**
- **Project Operational Emission Calculation Sheets**
- **Project Construction Emission Calculation Sheets**

Appendix C

Air Quality and Greenhouse Gas Technical Information

The purpose of this memorandum is to supplement Section 4.1, *Air Quality and Health Risk,* and Section 4.2, *Greenhouse Gases and Climate Change*, of this Subsequent Environmental Impact Report (SEIR), This memorandum includes supplementary background regulatory and environmental setting information that is relevant to ongoing operations at the Tenth Avenue Marine Terminal (TAMT), details regarding the methodology used to estimate emissions associated with the Mitsubishi Cement Corporation San Diego Project (Proposed Project), and a comparison of alternative technology at-berth technology relative to the proposed dry dock breaker power system.

Supplement to Environmental Setting (SEIR Section 4.1.1.1)

National Ambient Air Quality Standards (NAAQS) are developed for six criteria pollutants: ozone ($O_{3)}$, lead, carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), and particulate matter (PM) less than or equal to 10 microns in diameter (PM10) and PM less than or equal to 2.5 microns in diameter (PM2.5). California Ambient Air Quality Standards (CAAQS are also developed for Visibility Reducing Particles, Sulfates, Hydrogen Sulfide, and Vinyl Chloride. Note that ozone is not directly emitted, but instead forms in the atmosphere through chemical reactions between precursor pollutants (volatile organic compounds [VOCs] or reactive organic gasses [ROGs][1] and nitrogen oxides [NOx]) in the presence of sunlight.

The NAAQS and CAAQS are presented in **Table C-1**. The NAAQS and CAAQS have not been updated since certification of the TAMT Final PEIR. However, since certification of the TAMT Final PEIR, the Federal and State attainment status for the San Diego region has been updated, and more local pollutant monitoring has occurred. **Table C-2** outlines the attainment status for the San Diego region as of the date of this SEIR. Since the TAMT Final PEIR, the EPA issued designations for the 2015 ozone standard (0.070 parts per million [ppm]) in June 2018. That designation is the same as the previous designation for the 2008 ozone standard (0.075 ppm), which was issued in 2012 and was current as of the TAMT Final PEIR. San Diego County is designated as moderate nonattainment for both the 2008 and 2015 ozone standards. Note that the TAMT Final PEIR erroneously labeled the nonattainment designation as "marginal". Additionally, San Diego County was originally designated as an attainment-maintenance area in 1998. That maintenance period expired in 2018. Thus, the County is now in attainment for CO. The NAAQS and CAAQS, which are presented in **Table C-1**, are set to protect public health and the environment with an adequate margin of safety (CAA Section 109).

[1] The terms VOC and ROG are used interchangeably, although VOC is used in this analysis because relevant threshold documents use the term VOC.

Table C-1. Federal and State Ambient Air Quality Standards

Pollutant	Averaging Time	CAAQS[1]	NAAQS[2]
Ozone (O_3)	1 hour	0.09 ppm[3]	—
	8 hour	0.070 ppm	0.070 ppm
Carbon Monoxide (CO)	1 hour	20 ppm	35 ppm
	8 hour	9.0 ppm	9 ppm
Nitrogen Dioxide (NO_2)	1 hour	0.18 ppm	100 ppb
	Annual Arithmetic Mean	0.030 ppm	0.053 ppm
Sulfur Dioxide (SO_2)	1 hour	0.25 ppm	75 ppb
	24 hour	0.04 ppm	0.14 ppm
Respirable Particulate Matter (PM10)	24 hour	50 µg/m^3	150 µg/m^3
	Annual Arithmetic Mean	20 µg/m^3	—
Fine Particulate Matter (PM2.5)	24 hour	—	35 µg/m^3
	Annual Arithmetic Mean	12 µg/m^3	12.0 µg/m^3
Sulfates	24 hour	25 µg/m^3	—
Lead (Pb)	30 day average	1.5 µg/m^3	—
	Calendar quarter	—	1.5 µg/m^3
	Rolling 3-Month Average	—	0.15 µg/m^3
Hydrogen Sulfide	1 hour	0.03 ppm	—
Vinyl Chloride	24 hour	0.01 ppm	—

Source: CARB 2016.

[1] - The CAAQS for O_3, CO, SO_2 (1-hour and 24-hour), NO_2, PM10, and PM2.5 are values not to be exceeded. All other California standards shown are values not to be equaled or exceeded.

[2] - The NAAQS, other than O_3 and those based on annual averages, are not to be exceeded more than once a year. The O_3 standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over 3 years, is equal to or less than the standard. For PM10, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m^3 is equal to or less than 1. For PM2.5, the 24-hour standard is attained when 98% percent of the daily concentrations, averaged over 3 years, is equal to or less than the standard. For NO_2, the 1-hour standard is attained with 98% percent of the daily maximum 1-hour concentrations is equal to or less than the standards. For SO_2, the 1-hour standard is attained with 99% percent of the daily maximum 1-hour concentrations is equal to or less than the standards.

ppm = parts per million by volume; ppb = parts per billion; µg/m^3 = micrograms per cubic meter.

If data are insufficient to determine whether a pollutant is violating the standard, the area is designated unclassified. Under the California CAA, areas are designated as nonattainment for a pollutant if air quality data show that a State standard for the pollutant was violated at least once during the previous three calendar years. Exceedances that are affected by highly irregular or infrequent events are not considered violations of a State standard and are not used as a basis for designating areas as nonattainment. The attainment status of the County as a whole is summarized in **Table C-2**.

Table C-2. Federal and State Attainment Status for San Diego County

Criteria Pollutant	Federal Designation	State Designation
Ozone (O_3) (8-hour)	Nonattainment – Moderate	Nonattainment
Carbon Monoxide (CO)	Attainment	Attainment
Respirable Particulate Matter (PM10)	Attainment	Nonattainment
Fine Particulate Matter (PM2.5)	Unclassifiable[1]/Attainment	Nonattainment
Nitrogen Dioxide (NO_2)	Attainment	Attainment
Sulfur Dioxide (SO_2)	Attainment	Attainment
Lead (Pb)	Attainment	Attainment
Sulfates	(No Federal standard)	Attainment
Hydrogen Sulfide	(No Federal standard)	Unclassified
Visibility	(No Federal standard)	Unclassified

Sources: CARB 2017a, EPA 2018a.

[1] At the time of designation, if the available data do not support a designation of attainment or nonattainment, the area is designated as unclassifiable.

Table C-3 presents concentrations of pollutants from the San Diego–Beardsley Street station over the period of record shown in the TAMT Final PEIR (2012-2015) plus the latest year of available data (2016). The monitoring data shows the following pollutant concentration trends: the 8-hour O_3 CAAQS was exceeded twice in 2014; 24-hour PM10 CAAQS was exceeded once in 2013, 2015, and 2016; and 24-hour PM2.5 NAAQS was exceeded once in 2012, 2013, and 2014. No violations of the 1-hour O_3, CO, or NO_2 CAAQS or NAAQS were recorded.

Table C-3. Ambient Background Concentrations from the San Diego–Beardsley Street Monitoring Station

Pollutant Standards	2012	2013	2014	2015	2016
1-Hour Ozone (O_3)					
Maximum Concentration (parts per million (ppm))	0.071	0.063	0.093	0.089	0.072
Number of Days Standard Exceeded					
CAAQS 1-hour (>0.09 ppm)	0	0	0	0	0
8-Hour Ozone (O_3)					
Maximum Concentration (ppm)	0.065	0.053	0.072	0.067	0.061
National 4th Highest Concentration (ppm)	0.052	0.052	0.068	0.061	0.058
Number of days standard exceeded					
CAAQS 8-hour (>0.070 ppm)	0	0	2	0	0
NAAQS 8-hour (> 0.075 ppm)	0	0	0	0	0
Carbon Monoxide (CO)					
Maximum Concentration 8-hour Period (ppm)	1.9	2.1	1.9	1.9	1.7
Maximum Concentration 1-hour Period (ppm)	2.6	3.0	2.7	2.6	2.2
Number of days standard exceeded					
NAAQS 8-hour (≥9 ppm)	0	0	0	0	0

Pollutant Standards	2012	2013	2014	2015	2016
CAAQS 8-hour (≥9.0 ppm)	0	0	0	0	0
NAAQS 1-hour (≥35 ppm)	0	0	0	0	0
CAAQS 1-hour (≥20 ppm)	0	0	0	0	0
Nitrogen Dioxide (NO_2)					
Maximum 1-hour Concentration	65.0	72.0	75.0	62.0	73.0
1-Hour Standard 98th Percentile	54.0	56.0	61.0	53.0	58.0
Annual Average Concentration	13	14	13	14	—
Number of Days Standard Exceeded					
CAAQS 1-Hour (0.18 ppm)	0	0	0	0	0
NAAQS 1-Hour (0.100 ppm)	0	0	0	0	0
Suspended Particulates (PM10)					
State Maximum 24-hour Concentration	47.0	92.0	41.0	54.0	51.0
National Maximum 24-hour Concentration	45.0	90.0	40.0	53.0	49.0
State Annual Average Concentration (CAAQS = 20 μg/m^3)	22.2	25.4	23.8	23.2	—
Number of Measured Days Standard Exceeded					
CAAQS 24-hour (>50 μg/m^3)	0	1	0	1	1
NAAQS 24-hour (>150 μg/m^3) - Expected Days	0	0	0	0	0
Suspended Particulates (PM2.5)					
National Maximum 24-hour Concentration (μg/m^3)	39.8	37.4	36.7	33,4	34.4
24-hour Standard 98th Percentile (μg/m^3)	24.1	19.6	24.8	19.6	—
National Annual Average Concentration (NAAQS = 12.0 μg/m^3)	11.0	10.3	10.1	9.3	—
State Annual Average Concentration (CAAQS = 12 μg/m^3)	--	10.4	10.2	10.2	—
Number of Measured Days Standard Exceeded					
NAAQS 24-Hour (>35 μg/m^3)	1	1	1	0	—

Source: CARB 2018a, EPA 2018b (CO concentrations only).
Note: The San Diego-Beardsley Street station has been closed as of November 2016.
ppm = parts per million; μg/m^3 = micrograms per cubic meter

Supplement to Thresholds of Significance (SEIR Section and 4.1.2.2)

Supplement to Air Quality Thresholds

An EIR should disclose and evaluate the public health consequences associated with increasing air pollutants. Consequently, the following section summarizes the thresholds recommended by the County of San Diego based on criteria established by the SDAPCD, presents substantial evidence regarding the basis upon which they were developed, and also describes how they are used to determine whether Proposed Project construction and operation emissions would result in a significant impact within the context of interfering with or impeding attainment of CAAQS and NAAQS or causing or contributing to increased risks to human health. The thresholds discussed

below are the same as those used to determine significance of air quality impacts in the TAMT Final PEIR.

Regional Thresholds for SDAB Attainment of State and Federal Ambient Air Quality Standards (Mass Emission Thresholds)

In general, air districts and lead agencies develop or adopt region-specific CEQA thresholds of significance in consideration of existing air quality concentrations and attainment or nonattainment designations under the NAAQS and CAAQS. The State CEQA Guidelines authorize lead agencies to use the significance criteria established by the applicable air quality management or air pollution control district to make the significance determination of whether a project would violate or impede attainment of air quality standards. Attainment status for each pollutant is assigned for the entire air basin. In San Diego, the SDAB is defined as "all of San Diego County" (see 17 CCR 60110). Therefore, the current attainment status for the entire San Diego region, which includes nonattainment status for ozone NAAQS and ozone CAAQS, PM10 CAAQS, and PM2.5 CAAQS, applies to the entire County.

The TAMT Final PEIR included a discussion of regional thresholds. As noted in the TAMT Final PEIR, while neither the District, the City of San Diego, nor the SDAPCD has developed CEQA thresholds of significance for air quality and health risk, SDAPCD's Regulation II, Rules 20.2 and 20.3 (new source review for non-major and major stationary sources, respectively), outline AQIA Trigger Levels for regional criteria pollutants for new or modified sources. Based on SDAPCD's AQIA Trigger Levels, as well as EPA rulemaking and CEQA thresholds adopted by SCAQMD, the County has established screening-level thresholds (SLTs) to assist lead agencies in determining the significance of project-level regional air quality impacts within the County (as shown in **Table C-4**). SDAPCD Rule 20.2 was most recently updated in December 2018, and now includes AQIA Trigger Levels for PM10, PM2.5, NO_X, SO_X, CO, and lead, but does not include AQIA Trigger Levels for VOC emissions. Note that the PM2.5 Trigger Level in Rule 20.2 is higher for daily emissions (67 pounds per day) than the County SLT (55 pounds per day). Because the County's threshold is lower (more restrictive), and to maintain consistency with the TAMT Final PEIR, the County's PM2.5 SLT is used herein. In lieu of a VOC AQIA Trigger Level, the County recommends a VOC SLT based of 75 pounds per day based on threshold of significance for VOCs from the SCAQMD for the Coachella Valley. Emissions in excess of the air quality thresholds, shown in **Table C-4**, would be expected to have a significant impact on regional air quality because an exceedance of the thresholds is anticipated to contribute to CAAQS and NAAQS violations in the County.

The air quality thresholds in **Table C-4** are based on AQIA Trigger Levels, which are based on emissions levels identified under the New Source Review (NSR) program, which is a permitting program established by Congress as part of the CAA Amendments of 1990 to ensure that air quality is not significantly degraded by new or modified sources of emissions. The NSR program requires that stationary sources receive permits before construction begins and/or the use of equipment. By permitting large stationary sources, the NSR program ensures that new emissions would not slow regional progress toward attaining the NAAQS. SDAPCD implements the NSR program through Rules 20.2 and 20.3. SDAPCD's AQIA Trigger Levels were set as the total emission thresholds associated with the NSR program to help attain and maintain the NAAQS from new and modified non-major stationary sources.[2] SDAPCD's AQIA Trigger Levels take into account the region's attainment status, emission profile, inventory, and projections, and represent levels above which project-generated

[2] San Diego Air Pollution Control District, Rule 20.2, Table 20.2-1, hereby incorporated by reference: https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Permits/APCD_R20-2.pdf.

emissions could affect SDAPCD's and SANDAG's commitment to attain the State and Federal standards in the region. Consistent with Section 15064.7(c) of the State CEQA Guidelines,[3] the air quality thresholds shown in **Table C-4** are deemed appropriate for use in this analysis and in this location within the greater SDAB. The attainment status is essentially the same as during the analysis in the TAMT Final PEIR; thus, the same thresholds are used.

Table C-4. Air Quality Thresholds

	Emission Rate[1]		
Air Contaminant	**(Pounds per Hour)**	**(Pounds per Day)**	**(Tons per Year)**
Respirable Particulate Matter (PM10)	—	100	15
Fine Particulate Matter (PM2.5)[2]	—	55	10
Nitrogen Oxides (NO_X)	25	250	40
Sulfur Oxides (SO_X)	25	250	40
Carbon Monoxide (CO)	100	550	100
Lead (Pb) [3]	—	3.2	0.6
Volatile Organic Compounds (VOC) [4]	—	75	13.7 [5]

Source: SDAPCD Regulation II, Rule 20.2; County of San Diego 2007.

[1] According to San Diego County, the daily SLTs are most appropriate when assessing impacts from standard construction and operation emissions. Therefore, daily SLTs are used to evaluate Proposed Project significance, while hourly and annual SLTs are provided for informational purposes only.

[2] Based on EPA's "Proposed Rule to Implement the Fine Particle National Ambient Air Quality Standards" published September 8, 2005, and also SCAQMD's Air Quality Significance Thresholds (SCAQMD 2015).

[3] Lead and lead compounds.

[4] County SLTs for VOCs were originally based on the threshold of significance for VOCs from SCAQMD for the Coachella Valley. The terms VOC and ROG are used interchangeably, although VOC is used in this table because the City and County use the term VOC.

[5] 13.7 tons per year threshold is based on 75 pounds per day multiplied by 365 days per year and divided by 2,000 pounds per ton.

Health Risk Thresholds

The TAMT Final PEIR uses an incidence rate of 10 persons per million as the maximum acceptable incremental cancer risk consistent with SDAPCD Regulation XII, Rule 1200 and County guidance. This threshold serves to determine whether a project has a potentially significant development-specific and cumulative impact. A risk level of 10 in 1 million implies a likelihood that up to 10 persons, out of 1 million equally exposed people, would contract cancer if exposed continuously (24 hours per day) to the levels of TACs over a specified duration of time. This risk would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these air toxics.

The TAMT Final PEIR utilizes an established non-carcinogenic risk parameter for use in subsequent HRAs for future TAMT projects. Non-carcinogenic risks are quantified by calculating a *hazard index*, expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference

[3] When adopting thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence.

Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index less of than 1.0 means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less than significant. The analysis in this SEIR uses the same criteria.

Supplement to Emissions Estimate Methodology (SEIR Sections 4.1.2.1 and 4.2.2.1)

Air quality and GHG impacts associated with construction and operation of the TAMT Final PEIR were assessed and quantified using industry standards and accepted software tools, techniques, and emission factors, which are essentially the same today as were used in the TAMT Final PEIR. A detailed discussion of the methodology for estimating emissions from the Proposed Project in comparison to the TAMT Final PEIR is provided below.

Note that the estimate of baseline dry bulk emissions at TAMT used in this SEIR is based on the baseline estimates provided in the TAMT Final PEIR, as no change in dry bulk activities has occurred between preparation of the TAMT Final PEIR and the issuance of the Proposed Project's NOP. The TAMT Final PEIR included a program level assessment of construction and therefore did not include Project-specific construction emissions; therefore, those emissions are included herein and are not compared to emissions estimates in the TAMT Final PEIR as no quantitative comparison could be provided. The methodology used to estimate criteria air pollutant, TAC emissions, and GHG emissions is essentially the same.

Construction Mass Emissions

The Proposed Project would include construction of ship pneumatic unloading facilities, warehouse upgrades, and truck loading and truck scale facilities. Construction would occur in two phases, with Phase I being completed prior to the start of operation and Phase II being completed during operation after the existing bauxite bulk commodity operation ceases and the portion of Warehouse C used by that operation becomes available for the Project. There are two alternative construction scenarios. Construction would take an estimated 7 to 10 months for each construction phase, with the following five principle construction activities:

1. Concrete demolition and excavation
2. Foundation and concrete pouring
3. Roof demolition and repair
4. Installation of mechanical equipment
5. Electrical tie-ins

Construction emissions estimates assume the worst-case construction scenario, which would require additional excavation for an underground pipeline (Unloading Option 1) for the pneumatic transfer from the ships to Warehouse C. The peak day emission estimate is based on the highest single day from all construction emissions sources, with the peak estimated to occur during Month 4 of Phase I construction. Phase II construction would occur concurrently with Project operation.

For purposes of analysis, construction of Phase I was assumed to occur entirely within 2018, using 2018 fleet average emission factors from the California Air Resources Board's (CARB) OFFROAD (2011 version) and EMFAC2014 models for off-road equipment and on-road vehicles, respectively. Since equipment is generally cleaner in future years due to technological advances and fleet turnover, use of a 2018 year for construction emissions is considered conservative for analysis purposes. Construction is anticipated to require the following off-road equipment types: cranes, manlifts, forklifts, bobcat, loaders, excavators, and pile drivers. Construction on-road vehicle trip types include commuter trips, pickups, water trucks, dump trucks, concrete trucks, and flatbed trucks. Emissions were estimated based on a construction phasing schedule and details regarding the types and numbers of construction equipment, heavy-duty haul, delivery, and employee vehicle trips, and material volumes were obtained from the Proposed Project applicant. It was assumed that all pieces of equipment would be active for 8 hours per day when in use. Emissions from all overlapping construction activities were summed at the daily time scale and compared in the SEIR to relevant thresholds shown in **Table C-4**.

Phase I and Phase II construction would occur sequentially. The construction schedule for Phase I and Phase II would be similar; however, Phase II would require less construction equipment and deliveries during the excavation, foundation, and installation portions of the construction because the utility lines and the truck access platforms would have been constructed in Phase I. Phase II construction is likely to occur during operation of the Phase I portion of the Proposed Project. Therefore, emissions from construction of Phase II and operation of Phase I would overlap. For purposes of analysis, construction of Phase II assumed the same emission factors (2018 fleet average) as Phase I.

The detailed construction phasing assumptions and emissions calculation worksheets are provided in subsequent sections of this appendix.

Operation Mass Emissions

The Proposed Project would include ocean going vessel (OGV) calls to import cargo, diesel and electrical equipment to unload and load materials, trucks to transport materials offsite, and worker commute vehicle trips. These emissions sources are mostly similar to that analyzed in the TAMT Final PEIR, with minor differences. Descriptions of each of these sources and associated emissions modeling are provided below.

Ocean-Going Vessels

Activity

OGV activity would be similar to that analyzed in the TAMT Final PEIR. The materials would be brought to the Proposed Project site in dry bulk carrier OGVs that are similar to the OGVs assumed in the TAMT Final PEIR. It is assumed that there would be 24 calls per year and vessels would hotel for up to 168 hours per call. OGVs would call on berths 10-7/10-8.

Emissions associated with OGV activities were estimated based on the same set of methods used in the TAMT Final PEIR. Vessel activity was based on the average travel distance for all OGV calls associated with full buildout (approximately 21 nautical miles travel distance per call), bulk carrier specifications (main engine size, auxiliary and boiler load, and service speed) from the 2016 Port of Long Beach inventory, and emission factors from CARB's OGV methodology. It was assumed that

vessels would be equipped with Tier 1 engines, which is the average for all bulk carriers in the TAMT Final PEIR and the most frequent bulk carrier tier for calls in 2016 at the San Pedro Bay Ports (San Pedro Bay Ports 2017). Bulk carriers, such as those that will serve the Proposed Project, tend to have low auxiliary load at berth, as power needs at-berth tend to be minimal relative to other vessel types. However, as discussed below, the Project's power needs for calls would vary throughout at-berth time, depending on the unloading activity that is occurring. Other types of vessels, such as cruise and container ships, require much more power while at berth. For example, Dole's fleet of container ships ranges from 1,500 to 2,500 kilowatts (kW) of power needs, whereas the bulk vessels assumed here are assumed to require 210 kW of power needs on average (Port of Long Beach 2017).

The analysis includes round-trip vessel emissions within the air basin based on trip distances within the VSR zone and air basin based on information in the District's inventory, which set the basin consistent with the CARB limit for rulemaking and the National Oceanic and Atmospheric Administration Contiguous Zone at 24 nautical miles from the California baseline and the VSR zone at 20 nautical miles from the tip of Point Loma. This is the same geographic boundary assumed in the TAMT Final PEIR.

Shore Power

When vessels are at berth, power is generated for ship power needs (lighting, equipment, fans, etc.) either through running the ship's auxiliary engines or through plugging into shoreside electrical power provided in a "shore power" or "cold ironing" system. Dry bulk carriers are not regulated under CARB's at-berth shore power regulation, so shore power-equipped vessels are rare. Moreover, Mitsubishi Cement Corporation (Mitsubishi) does not own a dedicated fleet of ships that frequently call on a specific port. Therefore, use of traditional shore power technology (similar to that used by container and cruise ships) is unrealistic given the number of unique (individual) vessels that are likely to call on TAMT. However, Mitsubishi has developed a method to connect the ships to shoreside electrical power using the dry-dock breaker aboard the ship. This method has been employed successfully at Mitsubishi's Long Beach Terminal.

Cement unloading occurs in two phases: (1) free digging, where the shore-side vacuum unloader removes the majority of the cement from each hold of the ship; and (2) clean-out, where workers, in conjunction with a payloader, gather the remaining cement from each hold. The payloader is placed in the first hold and then moved to the remaining holds using the on-board cranes after cleanout of each hold. The on-board cranes use more power than can be supplied by shore power via the dry-dock breaker, and so the amperage of the dry-dock breaker is the limiting component in shore power use. The dry-dock breaker method does not allow the ship to continue to operate electrical equipment while the ship is being transferred from on-board power to shore power and back to on-board power from shore power. The manual nature of the dry-dock breaker shore power connection is not conducive to multiple connection and disconnection events during a ship's visit. Therefore, once the cleanout phase begins, shore power must be disconnected and the auxiliary engines started. This analysis assumes that shore power will be used 50 percent of the time vessels are at berth, and auxiliary engines will be used the remaining 50 percent of time.

Grid Emission Factor

Shore power electricity is currently provided to TAMT by SDG&E. Emission estimates from vessel shore power are based on SDG&E's most recent published emission rate for operating year 2017 (44

percent RPS) and adjustments for the projected RPS in future 2025, 2030, and 2035 based on RPS targets for 2030 (60 percent) and 2045 (100 percent carbon free). A summary of the electricity emission factors is presented in **Table C-5**.

Table C-5. Electricity Emission Factor for Shore Power and Electrical Equipment Emissions Estimates (pounds per megawatt-hour)

Year-	Emission Factor	Source
2013/14	699.50	used in TAMT Final PEIR baseline
2017	535.73	based on SDG&E reporting for 2017 (44 percent RPS)
2025	415.47	scaled up 2017 emission factor by projected RPS in 2025 (56.6 percent)
2030	382.66	scaled up 2017 emission factor by projected RPS in 2030 (60 percent)
2035	222.52	scaled up 2017 emission factor by projected RPS in 2035 (76.7 percent)
2045	0.00	scaled up 2017 emission factor by projected RPS in 2045 (carbon-free)

Source: SDG&E 2018 and CEC 2018.

Tugboats

The Proposed Project's tugboat activities are described below for assist tugs and ocean-going tugs. Assumptions are similar to those used in the TAMT Final PEIR.

Assist Tugs

Assist tugs ensure safe navigation for large cargo vessel movements upon arrival to and departure from the TAMT by assisting vessels during in-harbor movement and berthing. Assist tugs do most of the work when vessels are docking. Two assist tugs are expected for each of the OGVs that deliver cementitious materials as part of the Proposed Project's operational activities. Assist tug activities are expected to be operated in the same way as considered in the TAMT Final PEIR. The assist tugs are expected to meet the OGV at Buoy 21 and remain with the OGV until berthed at Berths 10/7 and 10/8. The tug emissions assumptions per vessel call are identical to those used in the TAMT Final PEIR.

Based on the 24 call buildout of the Proposed Project, there would be 48 total assist tug calls per year. In the TAMT Final PEIR, it was estimated there would be 866 assist tug calls at full buildout (433 total calls, two tugs per call) and 218 assist tug calls associated with buildout of the dry bulk node (109 dry bulk calls, two tugs per call). In order to estimate emissions from assist tugs for the Proposed Project, assist tugs emissions shown in the TAMT Final PEIR for Dry Bulk were scaled by approximately 22 percent (48 tug calls/218 tug calls).

Ocean-Going and Fuel Barge Tugs

Ocean-going tugs are used to move and position fueling barges that refuel the bulk carriers, which is known as fuel bunkering, when at berth. Based on historic fuel receipts, it was assumed in the TAMT Final PEIR that fuel barges directly fuel vessels that are at-berth approximately 27 percent of the time. In the TAMT Final PEIR, it was estimated there would be 116 fuel barge calls at full buildout

and 29 fuel barge calls at full Dry Bulk buildout.[4] Using this same ratio, there would be approximately seven fuel barge calls annually at full buildout of the Proposed Project.[5] In order to estimate emissions from fuel barge for the Proposed Project, fuel barge emissions shown in the TAMT Final PEIR for Dry Bulk were scaled by approximately 24 percent.

Trucks

Truck activity is split into idling at or near the Proposed Project site and regionally on public roadways to the San Diego County border. Emissions associated with truck trips were estimated using trip generation based on the maximum yearly throughput, 600,000 metric tons (MT) per year and 25 MT per truck, which comes out to 24,000 trucks per year, 176 trucks on the peak day, no more than 145 trucks per day on a 30-day rolling average, and an annual average of 66 trucks per day. For purposes of analysis, peak day truck activity (176 trucks) was assumed. The idling and running exhaust emission factors are derived from CARB's EMFAC2014 model, similar to the TAMT Final PEIR. Each truck is assumed to travel an average round trip distance of 124 miles, consistent with the TAMT Final PEIR.[6]

Emissions from idling at the terminal are based on an average total idling time on the entire terminal area of 15 minutes (0.25 hour) per truck per trip, consistent with the District's air emissions inventory (District 2014). Note that 15 minutes (0.25 hour) per truck per trip is the sum of all idling at and near the Proposed Project site in the District's inventory, and not the idling time at a given location, which is restricted to 5 minutes by CARB (13 CCR 1956.8 and 2485).

Note that EMFAC 2014 does not include GHG reductions associated with the Phase 2 heavy-duty truck standards, which were adopted by the National Highway Traffic Safety Administration (NHTSA) and EPA in late 2016. Consistent with the analysis in the TAMT Final PEIR, reductions from Phase 2 truck standards applied outside of EMFAC consistent with the Phase 2 rule (NHTSA 2016). Since the TAMT Final PEIR only analyzed the 2035 buildout, reductions for the Proposed Project analysis years (2025 and 2030) were calculated based on the same reductions by model year and implementation schedules, but account for reductions associated with the truck fleets in 2025 and 2030.

The GHG reductions for each model year were weighted by the vehicle population in EMFAC, resulting in the following carbon dioxide (CO_2) reductions per vehicle mile traveled (VMT) for the legislatively-adjusted unmitigated scenario relative to the same year unmitigated scenario: 2.2% in 2025, 10.2% in 2030, and 15.9% in 2035.

Since mitigation measures MM-AQ-10 and MM-GHG-10 would change the fleet mix by requiring 90% of trucks be no older more than 5-years old at any point during operations, the change in fleet mix would result in the following CO_2 reductions per VMT for the mitigated scenario relative to the same year unmitigated scenario: 14.4% in 2025, 17.8% in 2030, and 17.4% in 2035. A breakdown of these reductions is included in this appendix.

[4] Twenty-seven percent of 433 vessel calls at full buildout equates to 116 fuel barge calls (full TAMT Plan buildout); Twenty-seven percent of 109 vessel calls at full buildout equates to 29 fuel barge calls (full TAMT Plan dry bulk buildout).

[5] 27 percent of 24 vessel calls equates to 7 tug calls.

[6] As the CEQA significance thresholds used in the impact analysis are regional and relate to the attainment status of air quality standards within San Diego County, haul truck trip emissions were confined to those occurring within the County.

Worker Vehicle Trips

A maximum of 50 workers are assumed on the peak day, during hull cleanout activities. Emission estimates are based on a ratio of estimated emissions for the daily trips assumed for dry bulk operations in the TAMT Final PEIR assuming 50 workers per day for the Proposed Project and 274 workers per day under full STC buildout.

Bulk Material Handling

The Proposed Project involves phased modifications to Bays C-7 through C-10 of Warehouse C to import and distribute up to approximately 600,000 MT per year. It is assumed that there would be up to 4,400 MT of cementitious materials handled per day and up to 176 trucks per day, on an absolute worst-case peak day based on the maximum truck loading capacity, and up to 16 trucks per hour. The anticipated expected monthly maximum average load rate would be 145 trucks per day on a 30-day period, with an average annual daily rate of 67 trucks per day. The cementitious materials would be pneumatically unloaded into Warehouse C or into truck loading silos from dry bulk cargo ships (OGVs) using up to two 400 MT per hour mobile vacuum unloaders at maximum operation. The cementitious materials would then be shipped to customers by truck under two scenarios.

- Scenario 1: Indirect Load would unload all dry bulk material directly into the Warehouse C and then be loaded by a front-end loader into elevators to the truck loading silos before loading onto delivery trucks.
- Scenario 2: Direct Load would skip the warehouse and allow the silos to be loaded directly from the OGVs while a vessel is in port.

Both scenarios have been evaluated. Fugitive dust emission estimates assume unloading and loading activities and emissions controls associated with the necessary storage warehouse dust collector controls. These baghouse and truck loading sources would require SDAPCD permits and would be required to meet BACT requirements. Emissions were estimated based on source testing at another facility, 600,000 MT per year handled, and 4,032 activity hours per year per unloader.

Cargo Handling Equipment

Cargo handling equipment for the Proposed Project includes payloaders and vacuum unloaders. The vacuum unloaders are electric, so criteria pollutant emissions are assumed to be zero but there would be GHG emissions, as discussed below. The payloaders are diesel-powered. It was assumed that the new payloaders would be equipped with Tier 4 engines. Emissions were estimated based on CARB's OFFROAD model and equipment sizes and activity levels provided by the Applicant.

Payloaders

The new vacuum unloader would be electric. Electricity consumption is based on individual piece size (in horsepower or watts) and annual hours per year. Emissions from electricity are estimated based on the same electricity emission factors discussed above for shore power.

Health Risk Assessment

The TAMT Final PEIR identified that current and future operations at the Project site would emit TACs that could affect public health in neighboring communities. The main sources of TACs from TAMT operations are DPM and other TAC emissions from vessels, terminal equipment, locomotive

activity, and truck activity at and near the TAMT. A source of TACs that was not assessed in the TAMT Final PEIR but is included here is TACs that result from cementitious material handling fugitive dust, which includes known TAC compounds such as arsenic, hexavalent chromium, and copper that were not analyzed in the TAMT PEIR given the unknown project details, specifically the location of cement handling and speciation of the cementitious materials. As part of this SEIR, an HRA was conducted that quantitatively evaluated the potential impacts associated with public exposure to Project-related DPM and TAC emissions generated by these sources. The HRA evaluated three different types of health effects: individual lifetime cancer risk, chronic non-cancer hazards, and acute non-cancer hazards.

The TAMT Final PEIR uses an incidence rate of 10 persons per million as the maximum acceptable incremental cancer risk consistent with SDAPCD Regulation XII, Rule 1200 and County guidance (see Section 4.1.2.2, *Thresholds of Significance*). This threshold serves to determine whether a project has a potentially significant development-specific and cumulative impact. A risk level of 10 in 1 million implies a likelihood that up to 10 persons, out of 1 million equally exposed people, would contract cancer if exposed continuously to the levels of TACs over a specified duration of time. This risk would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these air toxics.

The TAMT Final PEIR utilizes an established non-carcinogenic risk parameter for use in subsequent HRAs for future TAMT projects. Non-carcinogenic risks are quantified by calculating a *hazard index*, expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index less of than 1.0 means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less than significant. The analysis in this SEIR uses the same criteria.

Shore Power and "Bonnet" Comparison

Background on the Regulation

CARB adopted the at-berth vessel regulation in 2007 to capture emissions from those vessel types that make frequent visits to a California port, spend a sufficient number of hours at berth, and have an ample power demand while at-berth. In effect, CARB was aiming to reduce emissions from those large vessels that frequently visit California ports. During the rulemaking process, CARB found that the "most attractive ship candidates" were those container ships, passenger ships, and reefer ships that frequently visit California ports. Under this regulation, only the refrigerated container vessels that call on TAMT are required to implement at-berth emission reductions. The majority of the remaining vessels that are expected to call on TAMT in the future, and those associated with the Proposed Project are not regulated under the current at-berth regulation (17 CCR 93118.3) and are not equipped with shore power capabilities. These non-regulated vessels – which are primarily bulk and general cargo carriers – contribute a large portion of the emissions that occur at TAMT, and given the proximity to residential, park, and school uses to the terminal, these emissions contribute to health risk impacts in surrounding communities. Given the number of vessels that are not

regulated by existing regulations and the proximity of sensitive uses, mitigation was included in the TAMT Final PEIR to reduce emissions from these calls while at-berth.

Background on the At-Berth Technology

CARB's rule offers two paths to compliance: plug into shoreside infrastructure or use alternative control technology that achieve equivalent emission reductions. An alternative control technology must be approved by CARB. At the time of the TAMT Final PEIR, there were two technologies approved by CARB. The Advance Marine Emission Control Systems (AMECS) was the most recently approved technology and is smaller, requires less energy, and has a cleaner (Tier 4) power source than the first CARB-approved technology.

The AMECS includes 90% capture efficiency when connected to one exhaust stack (most bulk, general cargo, and roro/auto carriers), 80% when connected to two exhaust stacks (most container and cruise ships), and, once applied, results in control efficiencies of 95% for PM, 90% for NOx, and 95% for other pollutants, including hydrocarbons, sulfur oxides, and air toxics. Therefore, once applied, the AMECS captures most of the emission the OGV emits.

However, the effective emission reductions from the AMECS are lower than these capture and control efficiencies. The AMECS is powered by a pair of small diesel generators that result in emissions. Moreover, the AMECS requires time to start up, move into place, connect to the ship, and disconnect once the call is finished. Based on the methods in the *National Port Strategy Assessment* published by the EPA in September 2016, the calculations in the TAMT Final PEIR assumed one hour of generator idle time to start up and shut down, and two total hours to move the bonnet into place and remove at the end of the call. After accounting for this start-up, placement, and ultimate shut-down time, the AMECS system reduces dry bulk and multi-purpose general cargo vessel hoteling emissions 77% for NO_X, 80% for DPM, and 64-71% for ROG, while increasing CO2 27-45%, on a per call basis (CO_2 increases linearly with fuel consumption, and both the vessel and barge engines burn fuel while attached).

At-Berth Technology Use in the TAMT Final PEIR

The AMECS can only be in one place, and control emissions from one vessel, at a time. In situations where there are multiple vessels that do not cold iron, then emissions associated with vessels that cannot use the AMECS must be accounted for. The analysis in the TAMT Final PEIR assessed the actual usage of the AMECS at TAMT at full buildout.

Based on extrapolating existing vessel calls to year 2035 consistent with the increase in throughput, it was estimated that there would be 433 annual vessel calls under full STC buildout. Of these calls, 90 calls under the STC are attributed to refrigerated container vessels, which are assumed to cold iron while at-berth. The remaining 343 calls under the STC are attributed to the Dry Bulk and Multi-Purpose General Cargo nodes, which were assumed to not cold iron while at berth. The AMECS system works by attaching a funnel over the exhaust stack of a vessel, then vacuuming ship-generated emissions through a duct to a barge mounted treatment system. The system can only capture emission from one vessel at a time. Thus, at any point, if more than one vessel is hoteling at-berth, then vessel emissions cannot be captured from each of the vessels. It is assumed that, based on berth capacity (4 vessels), the frequency berth capacity is expected to be reached (up to 22 times per year under STC, and 87 calls during these peak days), and given the duration bulk and general

cargo vessels remain at terminal (average of 52 hours as of 2014), it was estimated that the AMECS would be able to capture emissions from 52% of eligible calls under the STC, as shown in **Table C-6**.

Table C-7 presents a summary of hoteling emissions for the unmitigated (with VSR), shore power (50% of the time), and AMECS (52% of the time). As shown, emissions of DPM and NOx are substantially reduced under both the shore power and AMECS scenario relative to the no control scenario. DPM and NOx emissions are essentially the same for the shore power and AMECS scenario. However, with shore power, GHG emissions are much lower than the AMECS scenario. As noted above, GHGs increases with AMECS usage because fuel consumption increases. However, shore power benefits from increase renewables in the electrical grid, and emission trend down over time, where GHGs from fuel combustion sources (auxiliary engines, generators) do not trend down over time.

Table C-6. Average Percent of Non-frequent Callers, by Ship Type, assumed for full TAMT Plan Buildout (Sustainable Terminal Capacity)

Vessel Type	Annual calls	Calls captured by AMECS	*% of calls*
Bulk Carrier	109	57	*52%*
Multi-Purpose General Cargo	234	123	*52%*
Total	*343*	*180*	*52%*

Table C-7. Comparison of Annual Emission Estimates by Scenario for the Proposed Project

	Tons Per Year		$MTCO_2e$ per Year		
Scenario	**DPM**	**NOx**	**2025**	**2030**	**2035**
Project with no hoteling controls	0.24	11.39	588	588	588
Project with Shore Power	0.12	5.69	374	368	337
Project with AMECS	0.14	6.65	744	744	744

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CAP and Executive Order Targets

Executive Order Target Interpolation

Step 1) Calculations of Percent below BAU Emissions Needed to Meet AB 32 and B-30-15 Targets

Metric	MMTC02e	Notes
1990 emissions	431.00	Actual statewide emissions, excluding sinks
2013 emissions	459.28	Actual emissions, excluding sinks
Calculation of Percent below 2020 BAU Target		
2020 BAU emissions	539	2014 forecast, excludes Pavley/LCFS.
2020 target	431	1990 emissions (from above)
% <1990 levels	0%	AB 32
% < 2020 BAU	20%	Calculation
Calculation of Percent below 2030 BAU Target		
2030 BAU emissions	500.23	CA Pathways Forecast
2030 target	258.6	40% below 1990
% <1990 levels	40%	SB 32
% < 2030 BAU	48%	Calculation

Calculation of Percent below 2050 BAU Target		
2050 BAU emissions	516.56	CA Pathways Forecast
2050 target	86.2	80% below 1990
% <1990 levels	80%	EO S-03-05
% < 2050 BAU	83%	Calculation

Calculation of Percent below 2045 BAU Target		
2050 BAU emissions	516.56	CA Pathways Forecast
2050 target	0	net zero
% <1990 levels	100%	EO B-55-18
% < 2050 BAU	100%	Calculation

Step 2) Interpolating BAU targets at interim years

Year	Relative to 1990 Levels	Relative to Same Year BAU or Reference Case
2020	0%	20%
2021	4%	23%
2022	8%	26%
2023	12%	29%
2024	16%	31%
2025	20%	34%
2026	24%	37%
2027	28%	40%
2028	32%	43%
2029	36%	45%
2030	40%	48%
2031	42%	50%
2032	44%	52%
2033	46%	54%
2034	48%	55%
2035	50%	57%
2036	52%	59%
2037	54%	61%
2038	56%	62%
2039	58%	64%
2040	60%	66%
2041	62%	68%
2042	64%	69%
2043	66%	71%
2044	68%	73%
2045	70%	75%
2046	72%	76%
2047	74%	78%
2048	76%	80%
2049	78%	82%
2050	80%	83%

Project Operational Emission Calculation Sheets

- Emission Summaries
- Vessels and Shore Power
- Assist Tugs and Fuel Barge
- Trucks and Workers
- Electricity
- Electricity Emission Factor
- Payloader
- Loading/Unloading Dust

AQ Summary Tables

Operational

Pounds per day

	ROG	NOx	CO	SOx	PM10	PM2.5
Project						
OGVs	32	649	60	22	12	11
Assist Tugs	0	3	3	0	0	0
Fuel Barges	5	53	40	0	2	2
Payloader - Loading	0	0	4	0	0	0
Payloader - Unloading	1	3	22	0	0	0
Cement Unloading - Vacuum	--	--	--	--	23	23
Cement Loading - Trucks	--	--	--	--	1	1
Trucks	5	81	26	1	12	4
Workers	0	0	1	0	0	0
Project Daily Unmitigated	**44**	**789**	**156**	**23**	**49**	**40**
Final TAMT Program EIR Bulk Unmitigated	82	1,360	345	26	4,496	1,279
net from TAMT buildout	-39	-571	-189	-3	-4,446	-1,238
Mitigation						
MM-AQ-2 Idling [1]	-	-	-	-	-	-
MM-AQ-3 CAP Measures [2]	*-3*	*-58*	*-5*	*-1*	*-1*	*-1*
MM-AQ-4 Dry Bulk BACT [3]	-	-	-	-	-	-
MM-AQ-5 VSR Beyond CAP [4]	*-1*	*-29*	*-3*	*-1*	*0*	*0*
MM-AQ-6 Electric CHE	-	-	-	-	-	-
MM-AQ-9 At-Berth Capture	*-2*	*-58*	*-5*	*-2*	*-1*	*-1*
MM-AQ-10 Modern Trucks	*-1*	*-27*	*-7*	*-1*	*0*	*0*
Total Mitated Reductions	-8	-172	-20	-5	-3	-3
Project Daily Mitigated	**36**	**617**	**136**	**18**	**47**	**38**
Final TAMT Program EIR Bulk Mitigated	71	1143	285	23	255	95
net from TAMT buildout	-35	-527	-148	-5	-208	-58

AQ Summary Tables

Operational

tons per year

	ROG	NOx	CO	SOx	PM10	PM2.5
Project						
OGVs	1.17	24.96	2.30	1.13	0.53	0.49
Assist Tugs	0.03	0.26	0.25	0.00	0.01	0.01
Fuel Barges	0.08	0.77	0.58	0.00	0.03	0.03
Payloader - Loading	0.03	0.06	0.53	0.00	0.00	0.00
Payloader - Unloading	0.03	0.07	0.57	0.00	0.00	0.00
Cement Unloading - Vacuum	--	--	--	--	3.30	3.30
Cement Loading - Trucks	--	--	--	--	0.10	0.10
Trucks	0.31	5.55	1.80	0.05	1.05	0.36
Workers	0.00	0.02	0.23	0.00	0.05	0.02
Project Annual Unmitigated	**1.66**	**31.68**	**6.26**	**1.18**	**5.06**	**4.30**
Final TAMT Program EIR Bulk Unmit	7.33	135.61	27.53	2.73	803.51	227.17
net from TAMT buildout	-5.67	-103.93	-21.27	-1.55	-798.45	-222.86
Mitigation						
MM-AQ-2 Idling [1]	-	-	-	-	-	-
MM-AQ-3 CAP Measures [2]	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
MM-AQ-4 Dry Bulk BACT [3]	-	-	-	-	-	-
MM-AQ-5 VSR Beyond CAP [4]	*-0.236*	*-5.693*	*-0.513*	*-0.233*	*-0.121*	*-0.112*
MM-AQ-6 Electric CHE	-	-	-	-	-	-
MM-AQ-9 At-Berth Capture	*-0.065*	*-1.522*	*-0.119*	*-0.033*	*-0.022*	*-0.020*
MM-AQ-10 Modern Trucks	*-0.081*	*-1.818*	*-0.479*	*-0.043*	*-0.013*	*-0.013*
Total Mitated Reductions	-0.38	-9.03	-1.11	-0.31	-0.16	-0.14
Project Annual Mitigated	**1.27**	**22.65**	**5.14**	**0.87**	**4.91**	**4.16**
Final TAMT Program EIR Bulk Mitigated	5.80	103.61	21.80	2.09	40.38	14.42
Net from TAMT buildout	-4.52	-80.96	-16.65	-1.22	-35.48	-10.26

AQ Summary Tables

Overlap with Construction

Phase 2 + Ops

Unmitigated

	ROG	NOx	CO	SOx	PM10	PM2.5
Phase 2 Daily	1.6	20.2	14.1	0.0	1.0	0.9
Project Operations	44	789	156	23	49	40
Total with Ops	45	809	170	23	50	41
TAMT Ops	82	1360	345	26	4496	1279
Change from TAMT	-37	-551	-175	-3	-4445	-1237

Mitigated

	ROG	NOx	CO	SOx	PM10	PM2.5
Phase 2 Daily	1.6	20.2	14.1	0.0	1.0	0.9
Project Operations	36	617	136	18	47	38
Total with Ops	37	637	150	18	48	39
TAMT Ops	71	1143	285	23	255	95
Change from TAMT	-34	-507	-134	-5	-207	-57

GHG Emission Summary Table
Proposed Project, 24 calls, 3 analysis years

	2025, 24 calls		2030, 24 calls		2035, 24 calls	
Source	**Unmit**	**Mit (with legislation)**	**Unmit**	**Mit (with legislation)**	**Unmit**	**Mit (with legislation)**
OGVs	1,505	1,505	1,505	1,505	1,505	1,505
Assist Tugs	27	27	27	27	27	27
Fuel Tug and Barge	62	62	62	62	62	62
Trucks	5,649	4,787	5,649	4,218	5,649	3,979
Worker Trips	204	140	204	120	204	110
Payloader	90	90	90	90	90	90
Electricity	4,295	2,551	4,295	2,350	4,295	1,366
Construction	164	164	164	164	164	164
Unmitigated Total	**11,997**	**9,327**	**11,997**	**8,536**	**11,997**	**7,303**
Reduction from Unmitigated	-	-2,670	-	-3,461	-	-4,694
Percent Reduction		22%		29%		39%
TAMT Dry Bulk Unmitigated	**26,425**	**13,694**	**26,425**	**13,694**	**26,425**	**13,694**
Mitigation						
MM GHG-1 Idling	-	*<-1*	-	*<-1*	-	*<-1*
MM-GHG-2 CAP Measures	-	*-45*	-	*-45*	-	*-45*
MM-GHG-4 Electric CHE	-	-	-	-	-	-
MM-GHG-5 VSR Beyond CAP	-	-	-	*-24*	-	*-24*
MM-GHG-6 PV	-	*-592*	-	*-1622*	-	*-1693*
MM-GHG-9 At-Berth Emissions Capture	-	*-214*	-	*-221*	-	*-251*
MM-AQ-10 Modern Trucks	-	*-578*	-	*-422*	-	*-137*
Mitigated Total	*11,997*	*7,897*	*11,997*	*6,202*	*11,997*	*5,152*
Reduction from Unmitigated	-	*-4,099*	-	*-5,795*	-	*-6,845*
Percent Reduction	-	34%	-	48%	-	57%
Reduction Target	-	34%		48%	-	57%

		Reductions in Metric Tons per Year			
Reduction	**Source**	**2025**	**2030**	**2035**	**Reason**
Due to Regulations	Vessels	0	0	0	-
	Assist Tugs	0	0	0	-
	Fuel Tug and Barge	0	0	0	-
	Trucks	-862	-1,431	-1,671	Phase 1 and 2
	Worker Trips	-64	-84	-94	ACC/Pavley 2
	Payloader	0	0	0	-
	Electricity	-1,744	-1,945	-2,929	RPS
	Construction	0	0	0	-
By Mitigation Measure	MM GHG-1 Idling	<-1	<-1	<-1	-
	MM-GHG-2 CAP Measures	-45	-45	-45	no change since no change in activity or EF
	MM-GHG-4 Electric CHE	-	-	-	
	MM-GHG-5 VSR Beyond CAP	-	-24	-24	no change since no change in activity or EF
	MM-GHG-6 PV	-592	-1622	-1693	fills gap to hit reduction target
	MM-GHG-9 At-Berth Emissions Capture	-214	-221	-251	just RPS
	MM-AQ-10 Modern Trucks	-578	-422	-137	
TOTAL REDUCTIONS		-4099	-5795	-6845	

OGV Emission Summary **Annual**

Tons per year by Scenario

		NOx	DPM	PM10	PM2.5	VOC	CO	SOx	CO2	CH4	N2O	t CO2e	mt CO2e
Unmitigated	unmit per call	1.0	0.0	0.0	0.0	0.0	0.1	0.0	68.0	8E-04	4E-03	69	63
	unmit per 24-hr day	0.4	0.0	0.0	0.0	0.0	0.0	0.0	15.9	3E-04	9E-04	16	15
	unmit per year	35.4	0.5	0.5	0.5	1.2	2.3	1.1	1631.2	2E-02	9E-02	1659	1505
CAP Compliance	CAP per call	0.9	0.0	0.0	0.0	0.0	0.1	0.0	65.9	7E-04	4E-03	67	61
no shore power	CAP per 24-hr day	0.3	0.0	0.0	0.0	0.0	0.0	0.0	14.8	2E-04	8E-04	15	14
	CAP per year	33.8	0.4	0.5	0.5	1.1	2.2	1.1	1582.1	2E-02	9E-02	1609	1460
CAP Compliance	CAP +CI per call	0.7	0.0	0.0	0.0	0.0	0.1	0.0	58.8	6E-04	3E-03	60	54
with shore power	CAP+CI per 24-hr day	0.3	0.0	0.0	0.0	0.0	0.0	0.0	14.0	2E-04	7E-04	14	13
	CAP+CI per year	28.1	0.3	0.4	0.4	0.9	1.7	0.9	1410.1	1E-02	8E-02	1433	1300
Extra VSR Compliance	Extra VSR per call	0.9	0.0	0.0	0.0	0.0	0.1	0.0	64.8	7E-04	4E-03	66	60
no shore power	Extra VSR per 24-hr day	0.3	0.0	0.0	0.0	0.0	0.0	0.0	14.3	2E-04	8E-04	15	13
	Extra VSR per year	33.2	0.4	0.5	0.5	1.1	2.1	1.1	1555.6	2E-02	9E-02	1583	1436
Extra VSR Compliance	Extra VSR+CI per call	0.7	0.0	0.0	0.0	0.0	0.1	0.0	57.6	6E-04	3E-03	59	53
with shore power	Extra VSR+CI per 24-hr day	0.3	0.0	0.0	0.0	0.0	0.0	0.0	13.4	2E-04	7E-04	14	12
	Extra VSR+CI per year	27.5	0.3	0.4	0.3	0.8	1.6	0.8	1383.6	1E-02	8E-02	1406	1276

Tons per year by Scenario by Mode

		NOx	DPM	PM10	PM2.5	ROG	CO	SOx	CO2	CH4	N2O	t CO2e	MTCO2e
Non-VSR	unmit per year	0.799	0.013	0.013	0.012	0.038	0.070	0.020	30	6E-04	1E-03	30	28
	CAP per year	0.799	0.013	0.013	0.012	0.038	0.070	0.020	30	6E-04	1E-03	30	28
	CAP+CI per year	0.799	0.013	0.013	0.012	0.038	0.070	0.020	30	6E-04	1E-03	30	28
	Extra VSR per year	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0E+00	0E+00	0	0
	Extra VSR+CI per year	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0E+00	0E+00	0	0
VSR	unmit per year	9.403	0.154	0.154	0.142	0.445	0.824	0.240	352	7E-03	2E-02	357	324
	CAP per year	8.039	0.132	0.132	0.122	0.380	0.704	0.207	303	6E-03	1E-02	307	279
	CAP+CI per year	8.039	0.132	0.132	0.122	0.380	0.704	0.207	303	6E-03	1E-02	307	279
	Extra VSR per year	8.130	0.134	0.134	0.124	0.384	0.712	0.209	306	6E-03	1E-02	311	282
	Extra VSR+CI per year	8.130	0.134	0.134	0.124	0.384	0.712	0.209	306	6E-03	1E-02	311	282
Maneuver	unmit per year	2.257	0.043	0.044	0.041	0.149	0.267	0.068	97	2E-03	5E-03	99	90
	CAP per year	2.257	0.043	0.044	0.041	0.149	0.267	0.068	97	2E-03	5E-03	99	90
	CAP+CI per year	2.257	0.043	0.044	0.041	0.149	0.267	0.068	97	2E-03	5E-03	99	90
	Extra VSR per year	2.257	0.043	0.044	0.041	0.149	0.267	0.068	97	2E-03	5E-03	99	90
	Extra VSR+CI per year	2.257	0.043	0.044	0.041	0.149	0.267	0.068	97	2E-03	5E-03	99	90
Hotel - Auxilliary	unmit per year	11.387	0.243	0.243	0.224	0.473	1.027	0.467	640	7E-03	3E-02	649	588
	CAP per year	11.387	0.243	0.243	0.224	0.473	1.027	0.467	640	7E-03	3E-02	649	588
	CAP+CI per year	5.693	0.121	0.121	0.112	0.236	0.513	0.233	320	4E-03	1E-02	324	294
	Extra VSR per year	11.387	0.243	0.243	0.224	0.473	1.027	0.467	640	7E-03	3E-02	649	588
	Extra VSR+CI per year	5.693	0.121	0.121	0.112	0.236	0.513	0.233	320	4E-03	1E-02	324	294
Hotel - Shore Power	unmit per year	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0E+00	0E+00	0	0
	CAP per year	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0E+00	0E+00	0	0
	CAP+CI per year	0.000	0.000	0.000	0.000	0.000	0.000	0.000	148	0E+00	0E+00	148	134
	Extra VSR per year	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0E+00	0E+00	0	0
	Extra VSR+CI per year	0.000	0.000	0.000	0.000	0.000	0.000	0.000	148	0E+00	0E+00	148	134
Hotel - Boiler	unmit per year	1.111	0.000	0.072	0.072	0.070	0.111	0.333	512	1E-03	4E-02	524	476
	CAP per year	1.111	0.000	0.072	0.072	0.070	0.111	0.333	512	1E-03	4E-02	524	476
	CAP+CI per year	1.111	0.000	0.072	0.072	0.070	0.111	0.333	512	1E-03	4E-02	524	476
	Extra VSR per year	1.111	0.000	0.072	0.072	0.070	0.111	0.333	512	1E-03	4E-02	524	476
	Extra VSR+CI per year	1.111	0.000	0.072	0.072	0.070	0.111	0.333	512	1E-03	4E-02	524	476
All Modes	unmit per year	24.957	0.453	0.526	0.492	1.175	2.298	1.128	1631	2E-02	9E-02	1659	1505
	CAP per year	23.593	0.431	0.504	0.471	1.110	2.179	1.095	1582	2E-02	9E-02	1609	1460
	CAP+CI per year	17.899	0.310	0.383	0.359	0.873	1.666	0.862	1410	1E-02	8E-02	1433	1300
	Extra VSR per year	22.885	0.420	0.493	0.461	1.076	2.117	1.077	1556	2E-02	9E-02	1583	1436
	Extra VSR+CI per year	17.191	0.298	0.372	0.349	0.840	1.604	0.844	1384	1E-02	8E-02	1406	1276

OGV Emission Summary **Daily**

Pounds per Day by Scenario

		NOx	DPM	PM10	PM2.5	VOC	CO	SOx	CO2	CH4	N2O
Unmitigated	unmit per call	1,987	38	44	41	98	192	94	135,936	2	8
	unmit per 24-hr day	730	11	12	11	32	60	22	31,899	1	2
	unmit per year	70,721	906	1,053	983	2,349	4,596	2,257	3,262,454	37	185
CAP Compliance	CAP per call	1,875	36	42	39	92	182	91	131,845	1	8
no shore power	CAP per 24-hr day	671	10	11	10	29	55	20	29,690	0	2
	CAP per year	67,677	863	1,009	943	2,219	4,358	2,190	3,164,272	35	180
CAP Compliance	CAP +CI per call	1,400	26	32	30	73	139	72	117,506	1	6
with shore power	CAP+CI per 24-hr day	613	9	10	9	27	50	18	27,931	0	1
	CAP+CI per year	56,290	620	766	719	1,746	3,331	1,723	2,820,134	28	153
Extra VSR Compliance	Extra VSR per call	1,816	35	41	38	90	176	90	129,638	1	7
no shore power	Extra VSR per 24-hr day	642	10	11	10	28	52	20	28,647	0	2
	Extra VSR per year	66,378	839	986	921	2,152	4,234	2,154	3,111,293	34	177
Extra VSR Compliance	Extra VSR+CI per call	1,341	25	31	29	70	134	70	115,299	1	6
with shore power	Extra VSR+CI per 24-hr day	584	9	9	9	25	47	17	26,879	0	1
	Extra VSR+CI per year	54,991	597	743	697	1,679	3,207	1,687	2,767,154	27	150

Pounds per Day by Scenario by Mode

		NOx	DPM	PM10	PM2.5	ROG	CO	SOx	CO2	CH4	N2O	CO2e
Non-VSR	unmit per 24-hr day	33.3	0.5	0.5	0.5	1.6	2.9	0.8	1247	0.025	0.061	1265
	CAP per 24-hr day	33.3	0.5	0.5	0.5	1.6	2.9	0.8	1247	0.025	0.061	1265
	CAP+CI per 24-hr day	33.3	0.5	0.5	0.5	1.6	2.9	0.8	1247	0.025	0.061	1265
	Extra VSR per 24-hr day	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.000	0.000	0
	Extra VSR+CI per 24-hr day	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.000	0.000	0
VSR	unmit per 24-hr day	391.8	6.4	6.4	5.9	18.5	34.3	10.0	14665	0.293	0.717	14886
	CAP per 24-hr day	335.0	5.5	5.5	5.1	15.8	29.3	8.6	12620	0.250	0.616	12809
	CAP+CI per 24-hr day	335.0	5.5	5.5	5.1	15.8	29.3	8.6	12620	0.250	0.616	12809
	Extra VSR per 24-hr day	338.7	5.6	5.6	5.2	16.0	29.7	8.7	12762	0.253	0.622	12954
	Extra VSR+CI per 24-hr day	338.7	5.6	5.6	5.2	16.0	29.7	8.7	12762	0.253	0.622	12954
Maneuver	unmit per 24-hr day	94.0	1.8	1.8	1.7	6.2	11.1	2.8	4047	0.098	0.211	4112
	CAP per 24-hr day	94.0	1.8	1.8	1.7	6.2	11.1	2.8	4047	0.098	0.211	4112
	CAP+CI per 24-hr day	94.0	1.8	1.8	1.7	6.2	11.1	2.8	4047	0.098	0.211	4112
	Extra VSR per 24-hr day	94.0	1.8	1.8	1.7	6.2	11.1	2.8	4047	0.098	0.211	4112
	Extra VSR+CI per 24-hr day	94.0	1.8	1.8	1.7	6.2	11.1	2.8	4047	0.098	0.211	4112
Hotel - Auxilliary	unmit per 24-hr day	118.0	2.5	2.5	2.3	4.9	10.6	4.8	6635	0.077	0.280	6721
	CAP per 24-hr day	116.4	2.5	2.5	2.3	4.8	10.5	4.8	6544	0.076	0.277	6629
	CAP+CI per 24-hr day	58.2	1.2	1.2	1.1	2.4	5.2	2.4	3272	0.038	0.138	3314
	Extra VSR per 24-hr day	117.0	2.5	2.5	2.3	4.9	10.5	4.8	6578	0.077	0.278	6663
	Extra VSR+CI per 24-hr day	58.5	1.2	1.2	1.2	2.4	5.3	2.4	3289	0.038	0.139	3331
Hotel - Shore Power	unmit per 24-hr day	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.000	0.000	0
	CAP per 24-hr day	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.000	0.000	0
	CAP+CI per 24-hr day	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1513	0.000	0.000	1513
	Extra VSR per 24-hr day	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.000	0.000	0
	Extra VSR+CI per 24-hr day	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1521	0.000	0.000	1521
Hotel - Boiler	unmit per 24-hr day	11.5	0.0	0.7	0.7	0.7	1.2	3.5	5305	0.012	0.432	5434
	CAP per 24-hr day	11.4	0.0	0.7	0.7	0.7	1.1	3.4	5233	0.011	0.426	5360
	CAP+CI per 24-hr day	11.4	0.0	0.7	0.7	0.7	1.1	3.4	5233	0.011	0.426	5360
	Extra VSR per 24-hr day	11.4	0.0	0.7	0.7	0.7	1.1	3.4	5260	0.011	0.428	5388
	Extra VSR+CI per 24-hr day	11.4	0.0	0.7	0.7	0.7	1.1	3.4	5260	0.011	0.428	5388
All Modes	unmit per 24-hr day	649	11	12	11	32	60	22	31899	1	2	32419
	CAP per 24-hr day	590	10	11	10	29	55	20	29690	0	2	30175
	CAP+CI per 24-hr day	532	9	10	9	27	50	18	27931	0	1	28374
	Extra VSR per 24-hr day	561	10	11	10	28	52	20	28647	0	2	29117
	Extra VSR+CI per 24-hr day	503	9	9	9	25	47	17	26879	0	1	27306

MCC Vessel Calculation Specs and Assumptions

ME kw	8847	POLB 2013 EI
Aux Loads	varies	POLB 2017 EI
Boiler Loads	varies	POLB 2017 EI
Max Speed	14.4	POLB 2013 EI

SHIP DETAILS				SPEED			
Ship Type	Tier	Engine T	Power (kW Propulsion	Max Spd (kts)	Srv Spd (kts)	VSR Spd (kts)	Maneuver (kts)
BULK	1	SSD	8,847	14.4	13.5	12.0	7.0

DISTANCE				CALLS		HOTELING		VSR				SHORE POWER	
Total	VSR	non-VSR	Maneuve	Calls		Hotel Hrs		CAP		Beyond CAP		cent of time	
nm	nm	nm	nm	Per year	peak day	per call	er 24-hr d	comp	nm	comp	nm	unmit	mit
21.7	20	1.7	6.7	24	1	168	24	80%	20	90%	40	0%	50%

Transit Metrics ->	**CAP**			**VSR beyond CAP**		
	vsr	nonvsr	total	vsr	nonvsr	total
distance	20.0	1.7	21.7	21.7	0.00	21.7
speed	12.0	13.5	0.00	12.0	13.5	0.00
comp%	80%	20%	100%	90%	10%	100%
avg time	1.45	0.32	**1.77**	1.63	0.16	**1.79**

Emission Factors (all in g per kwh)

	NOx	DPM	PM10	PM2.5	ROG	CO	SOx	CO2	CH4	N2O	
Propulsion	16.00	0.26	0.26	0.24	0.76	1.40	0.40	589.00	0.01	0.03	
Auxilliary	12.20	0.26	0.26	0.24	0.51	1.10	0.50	686.00	0.01	0.03	EF =
Shore Power	-	-	-	-	-	-	-	317.29	-	-	2013/14
Boiler	2.00	-	0.13	0.13	0.13	0.20	0.60	921.50	0.00	0.08	

CO2e based on Unmitigated (2013/14) EF; scaled in subsequent stages by change in EF

VESSEL CALCULATIONS

SCENARIO	VARIABLES AND SCENARIO										EMISSIONS										
	Scenario	Mode	Engine	1-way trips for transit; calls for at-berth	Distace per one-way leg per call	Speed	time per one-way leg	Hotel (percent)	Engine or load (kW)	Engine (LF)	NOx	DPM	PM10	PM2.5	ROG	CO	SOx	CO2	CH4	N2O	CO2e
UNMITIGATED	Emission Calculations	Non-VSR	Propulsion	2	1.7	13.5	0.13		8,847	0.82	64.48	1.05	1.05	0.97	3.06	5.64	1.61	2,374	0.05	0.12	2,410
no shore power	lbs per call	Transit	Auxilliary	2			0.13		313		2.12	0.05	0.05	0.04	0.09	0.19	0.09	119	0.00	0.01	121
no VSR	UNMITIGATED		Boiler	2			0.13		35												
		VSR	Propulsion	2	20	13.5	1.48		8,847	0.82	758.62	12.33	12.33	11.38	36.03	66.38	18.97	27,927	0.57	1.37	28,351
		Transit	Auxilliary	2			1.48		313		24.96	0.53	0.53	0.49	1.04	2.25	1.02	1,403	0.02	0.06	1,421
			Boiler	2			1.48		35												
		In-Harbor	Propulsion	2	7	7.0	1.50		8,847	0.11	120.49	2.18	2.18	2.01	9.59	16.13	2.57	3,791	0.15	0.22	3,860
		Maneuver	Auxilliary	2			1.50		822		66.33	1.41	1.41	1.30	2.75	5.98	2.72	3,730	0.04	0.16	3,778
			Boiler	2			1.50		94		1.24	-	0.08	0.08	0.08	0.12	0.37	573	0.00	0.05	587
		At-Berth	Propulsion	1	-	-	-		8,847	-	-	-	-	-	-	-	-	-	-	-	
		Hotel	Auxilliary	1			168.00	100%	210		948.91	20.22	20.22	18.67	39.40	85.56	38.89	53,357	0.62	2.26	54,044
			Shore Power	1			-	0%	210		-	-	-	-	-	-	-	0	-	-	0
			Boiler	1			168.00		125		92.59	-	6.02	6.02	5.86	9.26	27.78	42,663	0.09	3.47	43,700
	Emission Calculations	Non-VSR	Propulsion	1	1.7	13.5	0.13		8,847	0.82	32.24	0.52	0.52	0.48	1.53	2.82	0.81	1,187	0.02	0.06	1,205
	lbs per 24-hr day	Transit	Auxilliary	1			0.13		313		1.06	0.02	0.02	0.02	0.04	0.10	0.04	60	0.00	0.00	60
	UNMITIGATED		Boiler	1			0.13		35												
		VSR	Propulsion	1	20	13.5	1.48		8,847	0.82	379.31	6.16	6.16	5.69	18.01	33.19	9.48	13,963	0.28	0.69	14,175
		Transit	Auxilliary	1			1.48		313		12.48	0.27	0.27	0.25	0.52	1.13	0.51	702	0.01	0.03	711
			Boiler	1			1.48		35												
		In-Harbor	Propulsion	1	7	7.0	1.50		8,847	0.11	60.25	1.09	1.09	1.00	4.79	8.06	1.29	1,896	0.08	0.11	1,930
		Maneuver	Auxilliary	1			1.50		822		33.16	0.71	0.71	0.65	1.38	2.99	1.36	1,865	0.02	0.08	1,889
			Boiler	1			1.50		94		0.62	-	0.04	0.04	0.04	0.06	0.19	286	0.00	0.02	293
		At-Berth	Propulsion	1	-	-	-		8,847	-	-	-	-	-	-	-	-	-	-	-	
		Hotel	Auxilliary	1			20.89	100%	210		118.00	2.51	2.51	2.32	4.90	10.64	4.84	6,635	0.08	0.28	6,721
			Shore Power	1			-	0%	210		-	-	-	-	-	-	-	0	-	-	0
			Boiler	1			20.89		125		11.51	-	0.75	0.75	0.73	1.15	3.45	5,305	0.01	0.43	5,434
	Emission Calculations	Non-VSR	Propulsion	48	1.7	13.5	0.13		8,847	0.82	0.77	0.01	0.01	0.01	0.04	0.07	0.02	28	0.00	0.00	29
	tons per year	Transit	Auxilliary	48			0.13		313		0.03	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	1
	UNMITIGATED		Boiler	48			0.13		35												
		VSR	Propulsion	48	20	13.5	1.48		8,847	0.82	9.10	0.15	0.15	0.14	0.43	0.80	0.23	335	0.01	0.02	340
		Transit	Auxilliary	48			1.48		313		0.30	0.01	0.01	0.01	0.01	0.03	0.01	17	0.00	0.00	17
			Boiler	48			1.48		35												
		In-Harbor	Propulsion	48	7	7.0	1.50		8,847	0.11	1.45	0.03	0.03	0.02	0.12	0.19	0.03	45	0.00	0.00	46
		Maneuver	Auxilliary	48			1.50		822		0.80	0.02	0.02	0.02	0.03	0.07	0.03	45	0.00	0.00	45
			Boiler	48			1.50		94		0.01	-	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	7
		At-Berth	Propulsion	24	-	-	-		8,847	-	-	-	-	-	-	-	-	-	-	-	
		Hotel	Auxilliary	24			168.00	100%	210		11.39	0.24	0.24	0.22	0.47	1.03	0.47	640	0.01	0.03	649
			Shore Power	24			-	0%	210		-	-	-	-	-	-	-	0	-	-	0
			Boiler	24			168.00		125		1.11	-	0.07	0.07	0.07	0.11	0.33	512	0.00	0.04	524

VESSEL CALCULATIONS

SCENARIO	VARIABLES AND SCENARIO										EMISSIONS										
	Scenario	Mode	Engine	1-way trips for transit; calls for at-berth	Distace per one-way leg per call	Speed	time per one-way leg	Hotel (percent)	Engine or load (kW)	Engine (LF)	NOx	DPM	PM10	PM2.5	ROG	CO	SOx	CO2	CH4	N2O	CO2e
CAP COMPLIANCE	Emission Calculations	Non-VSR	Propulsion	2	1.7	13.5	0.13		8,847	0.82	64.48	1.05	1.05	0.97	3.06	5.64	1.61	2,374	0.05	0.12	2,410
80% VSR compliance	lbs per call	Transit	Auxilliary	2			0.13		313		2.12	0.05	0.05	0.04	0.09	0.19	0.09	119	0.00	0.01	121
20 nm	CAP COMPLIANCE		Boiler	2			0.13		35												
no shore power		VSR	Propulsion	2	20	12.0	1.77		8,847	0.58	640.13	10.40	10.40	9.60	30.40	56.01	16.00	23,565	0.48	1.16	23,923
		Transit	Auxilliary	2			1.77		313		29.77	0.63	0.63	0.59	1.24	2.68	1.22	1,674	0.02	0.07	1,696
			Boiler	2			1.77		35												
		In-Harbor	Propulsion	2	7	7.0	1.50		8,847	0.11	120.49	2.18	2.18	2.01	9.59	16.13	2.57	3,791	0.15	0.22	3,860
		Maneuver	Auxilliary	2			1.50		822		66.33	1.41	1.41	1.30	2.75	5.98	2.72	3,730	0.04	0.16	3,778
			Boiler	2			1.50		94		1.24	-	0.08	0.08	0.08	0.12	0.37	573	0.00	0.05	587
		At-Berth	Propulsion	1	-	-	-		8,847	-	-	-	-	-	-	-	-	-	-	-	
		Hotel	Auxilliary	1			168.00	100%	210		948.91	20.22	20.22	18.67	39.40	85.56	38.89	53,357	0.62	2.26	54,044
			Shore Power	1			.	0%	210		-	-	-	-	-	-	-	-	-	-	-
			Boiler	1			168.00		125		92.59	-	6.02	6.02	5.86	9.26	27.78	42,663	0.09	3.47	43,700
	Emission Calculations	Non-VSR	Propulsion	1	1.7	13.5	0.13		8,847	0.82	32.24	0.52	0.52	0.48	1.53	2.82	0.81	1,187	0.02	0.06	1,205
	lbs per 24-hr day	Transit	Auxilliary	1			0.13		313		1.06	0.02	0.02	0.02	0.04	0.10	0.04	60	0.00	0.00	60
	CAP COMPLIANCE		Boiler	1			0.13		35												
		VSR	Propulsion	1	20	12.0	1.77		8,847	0.58	320.07	5.20	5.20	4.80	15.20	28.01	8.00	11,782	0.24	0.58	11,961
		Transit	Auxilliary	1			1.77		313		14.89	0.32	0.32	0.29	0.62	1.34	0.61	837	0.01	0.04	848
			Boiler	1			1.77		35												
		In-Harbor	Propulsion	1	7	7.0	1.50		8,847	0.11	60.25	1.09	1.09	1.00	4.79	8.06	1.29	1,896	0.08	0.11	1,930
		Maneuver	Auxilliary	1			1.50		822		33.16	0.71	0.71	0.65	1.38	2.99	1.36	1,865	0.02	0.08	1,889
			Boiler	1			1.50		94		0.62	-	0.04	0.04	0.04	0.06	0.19	286	0.00	0.02	293
		At-Berth	Propulsion	1	-	-	-		8,847	-	-	-	-	-	-	-	-	-	-	-	
		Hotel	Auxilliary	1			20.61	100%	210		116.39	2.48	2.48	2.29	4.83	10.49	4.77	6,544	0.08	0.28	6,629
			Shore Power	1			-	0%	210		-	-	-	-	-	-	-	0	-	-	0
			Boiler	1			20.61		125		11.36	-	0.74	0.74	0.72	1.14	3.41	5,233	0.01	0.43	5,360
	Emission Calculations	Non-VSR	Propulsion	48	1.7	13.5	0.13		8,847	0.82	0.77	0.01	0.01	0.01	0.04	0.07	0.02	28	0.00	0.00	29
	tons per year	Transit	Auxilliary	48			0.13		313		0.03	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	1
	Unmitigated		Boiler	48			0.13		35												
		VSR	Propulsion	48	20	12.0	1.77		8,847	0.58	7.68	0.12	0.12	0.12	0.36	0.67	0.19	283	0.01	0.01	287
		Transit	Auxilliary	48			1.77		313		0.36	0.01	0.01	0.01	0.01	0.03	0.01	20	0.00	0.00	20
			Boiler	48			1.77		35												
		In-Harbor	Propulsion	48	7	7.0	1.50		8,847	0.11	1.45	0.03	0.03	0.02	0.12	0.19	0.03	45	0.00	0.00	46
		Maneuver	Auxilliary	48			1.50		822		0.80	0.02	0.02	0.02	0.03	0.07	0.03	45	0.00	0.00	45
			Boiler	48			1.50		94		0.01	-	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	7
		At-Berth	Propulsion	24	-	-	-		8,847	-	-	-	-	-	-	-	-	-	-	-	
		Hotel	Auxilliary	24			168.00	100%	210		11.39	0.24	0.24	0.22	0.47	1.03	0.47	640	0.01	0.03	649
			Shore Power	24			-	0%	210		-	-	-	-	-	-	-	0	-	-	0
			Boiler	24			168.00		125		1.11	-	0.07	0.07	0.07	0.11	0.33	512	0.00	0.04	524

VESSEL CALCULATIONS

SCENARIO	VARIABLES AND SCENARIO										EMISSIONS										
	Scenario	Mode	Engine	1-way trips for transit; calls for at-berth	Distace per one-way leg per call	Speed	time per one-way leg	Hotel (percent)	Engine or load (kW)	Engine (LF)	NOx	DPM	PM10	PM2.5	ROG	CO	SOx	CO2	CH4	N2O	CO2e
CAP COMPLIANCE	Emission Calculations	Non-VSR	Propulsion	2	1.7	13.5	0.13		8,847	0.82	64.48	1.05	1.05	0.97	3.06	5.64	1.61	2,374	0.05	0.12	2,410
80% compliance	lbs per call	Transit	Auxilliary	2			0.13		313		2.12	0.05	0.05	0.04	0.09	0.19	0.09	119	0.00	0.01	121
20 nm	CAP COMPLIANCE		Boiler	2			0.13		35												
50% CI		VSR	Propulsion	2	20	12.0	1.77		8,847	0.58	640.13	10.40	10.40	9.60	30.40	56.01	16.00	23,565	0.48	1.16	23,923
		Transit	Auxilliary	2			1.77		313		29.77	0.63	0.63	0.59	1.24	2.68	1.22	1,674	0.02	0.07	1,696
			Boiler	2			1.77		35												
		In-Harbor	Propulsion	2	7	7.0	1.50		8,847	0.11	120.49	2.18	2.18	2.01	9.59	16.13	2.57	3,791	0.15	0.22	3,860
		Maneuver	Auxilliary	2			1.50		822		66.33	1.41	1.41	1.30	2.75	5.98	2.72	3,730	0.04	0.16	3,778
			Boiler	2			1.50		94		1.24	-	0.08	0.08	0.08	0.12	0.37	573	0.00	0.05	587
		At-Berth	Propulsion	1	-	-	-		8,847	-	-	-	-	-	-	-	-	-	-	-	
		Hotel	Auxilliary	1			84.00	50%	210		474.45	10.11	10.11	9.33	19.70	42.78	19.44	26,678	0.31	1.13	27,022
			Shore Power	1			84.00	50%	210		-	-	-	-	-	-	-	12,339	-	-	12,339
			Boiler	1			168.00		125		92.59	-	6.02	6.02	5.86	9.26	27.78	42,663	0.09	3.47	43,700
	Emission Calculations	Non-VSR	Propulsion	1	1.7	13.5	0.13		8,847	0.82	32.24	0.52	0.52	0.48	1.53	2.82	0.81	1,187	0.02	0.06	1,205
	lbs per 24-hr day	Transit	Auxilliary	1			0.13		313		1.06	0.02	0.02	0.02	0.04	0.10	0.04	60	0.00	0.00	60
	CAP COMPLIANCE		Boiler	1			0.13		35												
		VSR	Propulsion	1	20	12.0	1.77		8,847	0.58	320.07	5.20	5.20	4.80	15.20	28.01	8.00	11,782	0.24	0.58	11,961
		Transit	Auxilliary	1			1.77		313		14.89	0.32	0.32	0.29	0.62	1.34	0.61	837	0.01	0.04	848
			Boiler	1			1.77		35												
		In-Harbor	Propulsion	1	7	7.0	1.50		8,847	0.11	60.25	1.09	1.09	1.00	4.79	8.06	1.29	1,896	0.08	0.11	1,930
		Maneuver	Auxilliary	1			1.50		822		33.16	0.71	0.71	0.65	1.38	2.99	1.36	1,865	0.02	0.08	1,889
			Boiler	1			1.50		94		0.62	-	0.04	0.04	0.04	0.06	0.19	286	0.00	0.02	293
		At-Berth	Propulsion	1	-	-	-		8,847	-	-	-	-	-	-	-	-	-	-	-	
		Hotel	Auxilliary	1			10.30	50%	210		58.19	1.24	1.24	1.14	2.42	5.25	2.38	3,272	0.04	0.14	3,314
			Shore Power	1			10.30	50%	210		-	-	-	-	-	-	-	1,513	-	-	1,513
			Boiler	1			20.61		125		11.36	-	0.74	0.74	0.72	1.14	3.41	5,233	0.01	0.43	5,360
	Emission Calculations	Non-VSR	Propulsion	48	1.7	13.5	0.13		8,847	0.82	0.77	0.01	0.01	0.01	0.04	0.07	0.02	28	0.00	0.00	29
	tons per year	Transit	Auxilliary	48			0.13		313		0.03	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	1
	Unmitigated		Boiler	48			0.13		35												
		VSR	Propulsion	48	20	12.0	1.77		8,847	0.58	7.68	0.12	0.12	0.12	0.36	0.67	0.19	283	0.01	0.01	287
		Transit	Auxilliary	48			1.77		313		0.36	0.01	0.01	0.01	0.01	0.03	0.01	20	0.00	0.00	20
			Boiler	48			1.77		35												
		In-Harbor	Propulsion	48	7	7.0	1.50		8,847	0.11	1.45	0.03	0.03	0.02	0.12	0.19	0.03	45	0.00	0.00	46
		Maneuver	Auxilliary	48			1.50		822		0.80	0.02	0.02	0.02	0.03	0.07	0.03	45	0.00	0.00	45
			Boiler	48			1.50		94		0.01	-	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	7
		At-Berth	Propulsion	24	-	-	-		8,847	-	-	-	-	-	-	-	-	-	-	-	
		Hotel	Auxilliary	24			84.00	50%	210		5.69	0.12	0.12	0.11	0.24	0.51	0.23	320	0.00	0.01	324
			Shore Power	24			84.00	50%	210		-	-	-	-	-	-	-	148	-	-	148
			Boiler	24			168.00		125		1.11	-	0.07	0.07	0.07	0.11	0.33	512	0.00	0.04	524

VESSEL CALCULATIONS

SCENARIO	VARIABLES AND SCENARIO										EMISSIONS										
	Scenario	Mode	Engine	1-way trips for transit; calls for at-berth	Distace per one-way leg per call	Speed	time per one-way leg	Hotel (percent)	Engine or load (kW)	Engine (LF)	NOx	DPM	PM10	PM2.5	ROG	CO	SOx	CO2	CH4	N2O	CO2e
ENHANCED VSR	Emission Calculations	Non-VSR	Propulsion	2	0.00	13.5	-		8,847	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
90% compliance	lbs per call	Transit	Auxilliary	2			-		313		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
40 nm	ENHANCED VSR		Boiler	2			-		35												
no shore power		VSR	Propulsion	2	22	12.0	1.79		8,847	0.58	647.38	10.52	10.52	9.71	30.74	56.65	16.18	23,832	0.49	1.17	24,193
		Transit	Auxilliary	2			1.79		313		30.11	0.64	0.64	0.59	1.25	2.71	1.23	1,693	0.02	0.07	1,715
			Boiler	2			1.79		35												
		In-Harbor	Propulsion	2	7	7.0	1.50		8,847	0.11	120.49	2.18	2.18	2.01	9.59	16.13	2.57	3,791	0.15	0.22	3,860
		Maneuver	Auxilliary	2			1.50		822		66.33	1.41	1.41	1.30	2.75	5.98	2.72	3,730	0.04	0.16	3,778
			Boiler	2			1.50		94		1.24	-	0.08	0.08	0.08	0.12	0.37	573	0.00	0.05	587
		At-Berth	Propulsion	1	-	-	-		8,847	-	-	-	-	-	-	-	-	-	-	-	
		Hotel	Auxilliary	1			168.00	100%	210		948.91	20.22	20.22	18.67	39.40	85.56	38.89	53,357	0.62	2.26	54,044
			Shore Power	1			-	0%	210		-	-	-	-	-	-	-	0	-	-	0
			Boiler	1			168.00		125		92.59	-	6.02	6.02	5.86	9.26	27.78	42,663	0.09	3.47	43,700
	Emission Calculations	Non-VSR	Propulsion	1	0.00	13.5	-		8,847	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
	lbs per 24-hr day	Transit	Auxilliary	1			-		313		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
	ENHANCED VSR		Boiler	1			-		35												
		VSR	Propulsion	1	21.7	12.0	1.79		8,847	0.58	323.69	5.26	5.26	4.86	15.37	28.32	8.09	11,916	0.24	0.59	12,097
		Transit	Auxilliary	1			1.79		313		15.06	0.32	0.32	0.30	0.63	1.36	0.62	847	0.01	0.04	857
			Boiler	1			1.79		35												
		In-Harbor	Propulsion	1	7	7.0	1.50		8,847	0.11	60.25	1.09	1.09	1.00	4.79	8.06	1.29	1,896	0.08	0.11	1,930
		Maneuver	Auxilliary	1			1.50		822		33.16	0.71	0.71	0.65	1.38	2.99	1.36	1,865	0.02	0.08	1,889
			Boiler	1			1.50		94		0.62	-	0.04	0.04	0.04	0.06	0.19	286	0.00	0.02	293
		At-Berth	Propulsion	1	-	-	-		8,847	-	-	-	-	-	-	-	-	-	-	-	
		Hotel	Auxilliary	1			20.71	100%	210		116.99	2.49	2.49	2.30	4.86	10.55	4.79	6,578	0.08	0.28	6,663
			Shore Power	1			-	0%	210		-	-	-	-	-	-	-	-	-	-	-
			Boiler	1			20.71		125		11.42	-	0.74	0.74	0.72	1.14	3.42	5,260	0.01	0.43	5,388
	Emission Calculations	Non-VSR	Propulsion	48	0.00	13.5	-		8,847	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
	tons per year	Transit	Auxilliary	48			-		313		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
	Unmitigated		Boiler	48			-		35												
		VSR	Propulsion	48	22	12.0	1.79		8,847	0.58	7.77	0.13	0.13	0.12	0.37	0.68	0.19	286	0.01	0.01	290
		Transit	Auxilliary	48			1.79		313		0.36	0.01	0.01	0.01	0.02	0.03	0.01	20	0.00	0.00	21
			Boiler	48			1.79		35												
		In-Harbor	Propulsion	48	7	7.0	1.50		8,847	0.11	1.45	0.03	0.03	0.02	0.12	0.19	0.03	45	0.00	0.00	46
		Maneuver	Auxilliary	48			1.50		822		0.80	0.02	0.02	0.02	0.03	0.07	0.03	45	0.00	0.00	45
			Boiler	48			1.50		94		0.01	-	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	7
		At-Berth	Propulsion	24	-	-	-		8,847	-	-	-	-	-	-	-	-	-	-	-	
		Hotel	Auxilliary	24			168.00	100%	210		11.39	0.24	0.24	0.22	0.47	1.03	0.47	640	0.01	0.03	649
			Shore Power	24			-	0%	210		-	-	-	-	-	-	-	0	-	-	0
			Boiler	24			168.00		125		1.11	-	0.07	0.07	0.07	0.11	0.33	512	0.00	0.04	524

GHG Scaling for Grid changes

	Unadjusted - based on 2013/14 average EF from TAMT in tons					Unadjusted - based on 2013/14 average EF from TAMT - converted to metric tons				
	Unmitigated	CAP	CAP+CI	Extra VSR	Extra VSR+CI	Unmitigated	CAP	CAP+CI	Extra VSR	Extra VSR+CI
SDGE year	2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	2013/14
SDGE EF (g/kwh)	317	317	317	317	317	317	317	317	317	317
Non-VSR	30	30	30	0	0	28	28	28	0	0
VSR	357	307	307	311	311	324	279	279	282	282
Maneuver	99	99	99	99	99	90	90	90	90	90
Hotel - Auxilliary	649	649	324	649	324	588	588	294	588	294
Hotel - Shore Power	0	0	148	0	148	0	0	134	0	134
Hotel - Boiler	524	524	524	524	524	476	476	476	476	476
Total	1659	1609	1433	1583	1406	1505	1460	1300	1436	1276
Reductions from Unmit		*-50*	*-226*	*-77*	*-253*		*-45*	*-205*	*-70*	*-229*

Summary of GHG Reductions:

CAP =	-45	mt
CI=	-160	mt
Extra VSR =	-24	mt
	-229	total MT

	Adjusted - based on refined SDG&E EF from TAMT- **2025**					Adjusted - based on refined SDG&E EF from TAMT- **2030**					Adjusted - based on refined SDG&E EF from TAMT - **2035**				
	Unmitigated	CAP	CAP+CI	Extra VSR	Extra VSR+CI	Unmitigated	CAP	CAP+CI	Extra VSR	Extra VSR+CI	Unmitigated	CAP	CAP+CI	Extra VSR	Extra VSR+CI
SDGE year	2013/14	2025	2025	2025	2025	2013/14	2030	2030	2030	2030	2013/14	2035	2035	2035	2035
SDGE EF (g/kwh)	317	188	188	188	188	317	174	174	174	174	317	101	101	101	101
Non-VSR	28	28	28	0	0	28	28	28	0	0	28	28	28	0	0
VSR	324	279	279	282	282	324	279	279	282	282	324	279	279	282	282
Maneuver	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
Hotel - Auxilliary	588	588	294	588	294	588	588	294	588	294	588	588	294	588	294
Hotel - Shore Power	0	0	80	0	80	0	0	73	0	73	0	0	43	0	43
Hotel - Boiler	476	476	476	476	476	476	476	476	476	476	476	476	476	476	476
Total	1505	1460	1246	1436	1221	1505	1460	1239	1436	1215	1505	1460	1209	1436	1184
Reductions from Unmit		*-45*	*-260*	*-70*	*-284*		*-45*	*-266*	*-70*	*-290*		*-45*	*-297*	*-70*	*-321*

Summary of GHG Reductions:

CAP =	-45	mt
CI=	-214	mt
Extra VSR =	-24	mt
	-284	total MT

Summary of GHG Reductions:

CAP =	-45	mt
CI=	-221	mt
Extra VSR =	-24	mt
	-290	total MT

Summary of GHG Reductions:

CAP =	-45	mt
CI=	-251	mt
Extra VSR =	-24	mt
	-321	total MT

Low Load Adjustment Factors

Load	NOx	DPM	PM2.5	ROG	CO	SOx	CO2	CH4	N2O
1%	4.63	7.29	7.29	21.18	9.68	1.00	1.00	21.18	4.63
2%	4.63	7.29	7.29	21.18	9.68	1.00	1.00	21.18	4.63
3%	2.92	4.33	4.33	11.68	6.46	1.00	1.00	11.68	2.92
4%	2.21	3.09	3.09	7.71	4.86	1.00	1.00	7.71	2.21
5%	1.83	2.44	2.44	5.61	3.89	1.00	1.00	5.61	1.83
6%	1.60	2.04	2.04	4.35	3.25	1.00	1.00	4.35	1.60
7%	1.45	1.79	1.79	3.52	2.79	1.00	1.00	3.52	1.45
8%	1.35	1.61	1.61	2.95	2.45	1.00	1.00	2.95	1.35
9%	1.27	1.48	1.48	2.52	2.18	1.00	1.00	2.52	1.27
10%	1.22	1.38	1.38	2.20	1.96	1.00	1.00	2.20	1.22
11%	1.17	1.30	1.30	1.96	1.79	1.00	1.00	1.96	1.17
12%	1.14	1.24	1.24	1.76	1.64	1.00	1.00	1.76	1.14
13%	1.11	1.19	1.19	1.60	1.52	1.00	1.00	1.60	1.11
14%	1.08	1.15	1.15	1.47	1.41	1.00	1.00	1.47	1.08
15%	1.06	1.11	1.11	1.36	1.32	1.00	1.00	1.36	1.06
16%	1.05	1.08	1.08	1.26	1.24	1.00	1.00	1.26	1.05
17%	1.03	1.06	1.06	1.18	1.17	1.00	1.00	1.18	1.03
18%	1.02	1.04	1.04	1.11	1.11	1.00	1.00	1.11	1.02
19%	1.01	1.02	1.02	1.05	1.05	1.00	1.00	1.05	1.01
20%	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Assist and Fuel Barge Tug Emissions

		Lbs per Day						Tons Per Year						MT/yr	# of	
Scenario	**Tug**	**VOC**	**NO_x**	**CO**	**SO_x**	**PM10**	**PM2.5**	**VOC**	**NO_x**	**CO**	**SO_x**	**PM10**	**PM2.5**	**CO_2e**	**Calls**	
TAMT PEIR	Assist Tugs	1.63	13.25	12.56	0.02	0.30	0.29	0.146	1.186	1.124	0.001	0.027	0.026	122	218	(109 dry bulk calls; 2 trugs per)
	Tugs and Fuel Barges	22.15	220.52	165.99	0.22	7.71	7.48	0.321	3.198	2.407	0.003	0.112	0.109	260	29	(27% of 109 total fuel barge calls)

		MCC	TAMT	Scalar		**Fuel Barges in TAMT**	Fuel	OGV Calls	% of calls
Scaling Factors	Assist Tugs	48	218	22%	2 per call	Dry Bulk	29	109	27%
	Tugs and Fuel Barges	7	29	24%	27% of calls	Container	24	90	27%
	OGVs	24	109	22%		MPGC	63	234	27%
						total	116	433	27%

		Lbs per Day						Tons Per Year						MT/yr	# of
Scenario	**Tug**	**VOC**	**NO_x**	**CO**	**SO_x**	**PM10**	**PM2.5**	**VOC**	**NO_x**	**CO**	**SO_x**	**PM10**	**PM2.5**	**CO_2e**	**Calls**
Proposed Project	Assist Tugs	0.36	2.92	2.77	0.00	0.07	0.06	0.032	0.261	0.248	0.000	0.006	0.006	27	48
	Tugs and Fuel Barges	5.31	52.86	39.79	0.05	1.85	1.79	0.077	0.767	0.577	0.001	0.027	0.026	62	7

Truck and Worker Calculations

unmitigated					Daily ADT/VMT			Daily Emissions (pounds)							Annual ADT/VMT		Annual Emissions (Tons)							Annual Emissions (MT)			
Year	Source	location	Speed	VMT per trip (or idle hrs)	Trip Gen (peak)	Trips per	VMT (idle) per day	ROG	NOX	CO	SOX	PM10	PM2.5	DPM	Trips/Yr	VMT (idle) per year	ROG	NOX	CO	SOX	PM10	PM2.5	DPM	CO2	CH4	N2O	CO2e
2013/2014	Trucks	Regional	aggregate	62	176	2	21824	9.1	489.3	29.9	0.8	13.6	6.0	2.9	24000	2,976,000	0.6	33.4	2.0	0.1	0.6	0.2	0.2	5239	0.026238	0.170	5291
2013/2014	Trucks	Onsite	10	0.5	176	2	176	0.5	9.1	1.1	0.0	0.1	0.1	0.1	24000	24,000	0.0	0.6	0.1	0.0	0.2	0.2	0.0	77	0.001464	0.003	78
2013/2014	Trucks	on Harbor	40	1.6	176	2	563.2	0.2	12.2	0.7	0.0	0.3	0.1	0.1	24000	76,800	0.0	0.8	0.0	0.0	0.2	0.1	0.0	133	0.000569	0.004	135
2013/2014	Trucks	on Cesar Chavez	25	0.3	176	2	105.6	0.1	2.7	0.2	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.2	0.0	0.0	0.2	0.1	0.0	30	0.000224	0.001	30
2013/2014	Trucks	on 28th	25	0.3	176	2	105.6	0.1	2.7	0.2	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.2	0.0	0.0	0.2	0.1	0.0	30	0.000224	0.001	30
2013/2014	Trucks	idling	idling	0.25	176	2	88	0.3	16.1	1.2	0.0	0.1	0.0	0.0	24000	12,000	0.0	1.1	0.1	0.0	0.2	0.1	0.0	85	0.000785	0.003	86
2020	Trucks	Regional	aggregate	62	176	2	21824	8.3	237.0	31.5	0.8	11.8	4.3	1.1	24000	2,976,000	0.6	16.2	2.1	0.1	0.5	0.2	0.1	4966	0.023896	0.161	5015
2020	Trucks	Onsite	10	0.5	176	2	176	0.4	6.3	1.5	0.0	0.1	0.0	0.0	24000	24,000	0.0	0.4	0.1	0.0	0.1	0.1	0.0	69	0.001153	0.002	70
2020	Trucks	on Harbor	40	1.6	176	2	563.2	0.2	5.7	0.7	0.0	0.3	0.1	0.0	24000	76,800	0.0	0.4	0.0	0.0	0.1	0.1	0.0	128	0.00055	0.004	129
2020	Trucks	on Cesar Chavez	25	0.3	176	2	105.6	0.1	1.6	0.3	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.1	0.0	0.0	0.1	0.1	0.0	28	0.000257	0.001	28
2020	Trucks	on 28th	25	0.3	176	2	105.6	0.1	1.6	0.3	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.1	0.0	0.0	0.1	0.1	0.0	28	0.000257	0.001	28
2020	Trucks	idling	idling	0.25	176	2	88	0.2	6.6	1.0	0.0	0.0	0.0	0.0	24000	12,000	0.0	0.4	0.1	0.0	0.1	0.0	0.0	81	0.000707	0.003	81
2025	Trucks	Regional	aggregate	62	176	2	21824	4.1	86.1	24.4	0.7	11.0	3.5	0.3	24000	2,976,000	0.3	5.9	1.7	0.0	0.5	0.1	0.0	4431	0.014087	0.144	4475
2025	Trucks	Onsite	10	0.5	176	2	176	0.2	6.4	1.2	0.0	0.1	0.0	0.0	24000	24,000	0.0	0.4	0.1	0.0	0.1	0.0	0.0	62	0.000584	0.002	62
2025	Trucks	on Harbor	40	1.6	176	2	563.2	0.1	1.6	0.6	0.0	0.3	0.1	0.0	24000	76,800	0.0	0.1	0.0	0.0	0.1	0.0	0.0	116	0.000279	0.004	118
2025	Trucks	on Cesar Chavez	25	0.3	176	2	105.6	0.0	0.8	0.3	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.1	0.0	0.0	0.1	0.0	0.0	25	0.000131	0.001	25
2025	Trucks	on 28th	25	0.3	176	2	105.6	0.0	0.8	0.3	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.1	0.0	0.0	0.1	0.0	0.0	25	0.000131	0.001	25
2025	Trucks	idling	idling	0.25	176	2	88	0.2	6.6	1.0	0.0	0.0	0.0	0.0	24000	12,000	0.0	0.4	0.1	0.0	0.1	0.0	0.0	81	0.000707	0.003	81
2030	Trucks	Regional	aggregate	62	176	2	21824	3.9	69.1	23.1	0.7	11.0	3.5	0.3	24000	2,976,000	0.3	4.7	1.6	0.0	0.5	0.1	0.0	3910	0.01243	0.127	3948
2030	Trucks	Onsite	10	0.5	176	2	176	0.2	6.3	1.1	0.0	0.1	0.0	0.0	24000	24,000	0.0	0.4	0.1	0.0	0.1	0.0	0.0	60	0.000567	0.002	61
2030	Trucks	on Harbor	40	1.6	176	2	563.2	0.1	1.1	0.5	0.0	0.3	0.1	0.0	24000	76,800	0.0	0.1	0.0	0.0	0.1	0.0	0.0	112	0.000268	0.004	113
2030	Trucks	on Cesar Chavez	25	0.3	176	2	105.6	0.0	0.7	0.2	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.0	0.0	0.0	0.1	0.0	0.0	24	0.000126	0.001	24
2030	Trucks	on 28th	25	0.3	176	2	105.6	0.0	0.7	0.2	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.0	0.0	0.0	0.1	0.0	0.0	24	0.000126	0.001	24
2030	Trucks	idling	idling	0.25	176	2	88	0.1	2.1	0.3	0.0	0.0	0.0	0.0	24000	12,000	0.0	0.1	0.0	0.0	0.1	0.0	0.0	46	0.000197	0.002	47
2035	Trucks	Regional	aggregate	62	176	2	21824	4.0	69.3	23.9	0.7	11.0	3.5	0.3	24000	2,976,000	0.3	4.7	1.6	0.0	0.5	0.1	0.0	3654	0.011617	0.119	3690
2035	Trucks	Onsite	10	0.5	176	2	176	0.2	6.6	1.2	0.0	0.1	0.0	0.0	24000	24,000	0.0	0.4	0.1	0.0	0.1	0.0	0.0	59	0.00056	0.002	60
2035	Trucks	on Harbor	40	1.6	176	2	563.2	0.1	1.1	0.6	0.0	0.3	0.1	0.0	24000	76,800	0.0	0.1	0.0	0.0	0.1	0.0	0.0	112	0.000268	0.004	113
2035	Trucks	on Cesar Chavez	25	0.3	176	2	105.6	0.0	0.7	0.3	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.0	0.0	0.0	0.1	0.0	0.0	24	0.000125	0.001	24
2035	Trucks	on 28th	25	0.3	176	2	105.6	0.0	0.7	0.3	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.0	0.0	0.0	0.1	0.0	0.0	24	0.000125	0.001	24
2035	Trucks	idling	idling	0.25	176	2	88	0.1	3.0	0.4	0.0	0.0	0.0	0.0	24000	12,000	0.0	0.2	0.0	0.0	0.1	0.0	0.0	67	0.000283	0.002	67
2013/2014	worker trips	-	worker trips	9.5	50	3	1425	0.2	0.7	6.3	0.0	0.4	0.1	-	18250	520,125	0.0	0.1	1.2	0.0	0.0	0.0	0.0	203	0.008	0.005	204
2020	worker trips	-	worker trips	9.5	50	3	1425	0.1	0.3	2.9	0.0	0.5	0.2	-	18250	520,125	0.0	0.1	0.5	0.0	0.0	0.0	0.0	170	0.005	0.002	170
2025	worker trips	-	worker trips	9.5	50	3	1425	0.0	0.2	2.0	0.0	0.3	0.1	-	18250	520,125	0.0	0.0	0.4	0.0	0.0	0.0	0.0	140	0.005	0.001	140
2030	worker trips	-	worker trips	9.5	50	3	1425	0.0	0.1	1.5	0.0	0.2	0.1	-	18250	520,125	0.0	0.0	0.3	0.0	0.0	0.0	0.0	120	0.005	0.001	120
2035	worker trips	-	worker trips	9.5	50	3	1425	0.0	0.1	1.2	0.0	0.2	0.1	-	18250	520,125	0.0	0.0	0.2	0.0	0.0	0.0	0.0	110	0.002	0.001	110

mitigated					Daily ADT/VMT			Daily Emissions (pounds)							Annual ADT/VMT		Annual Emissions (Tons)							Annual Emissions (MT)			
Year	Source	location	Speed	VMT per trip (or idle hrs)	Trip Gen	Trips per	VMT (idle) per day	ROG	NOX	CO	SOX	PM10	PM2.5	DPM	Trips/Yr	VMT (idle) per year	ROG	NOX	CO	SOX	PM10	PM2.5	DPM	CO2	CH4	N2O	CO2e
2020	Trucks	Regional	aggregate	62	176	2	21824	3.4	62.5	18.2	0.1	11.0	3.3	0.3	24000	2,976,000	0.2	4.3	1.2	0.0	0.5	0.1	0.0	4429	0.014078	0.144	4472
2020	Trucks	Onsite	10	0.5	176	2	176	0.2	4.3	0.9	0.0	0.1	0.0	0.0	24000	24,000	0.0	0.3	0.1	0.0	0.1	0.0	0.0	61	0.000572	0.002	61
2020	Trucks	on Harbor	40	1.6	176	2	563.2	0.1	1.2	0.4	0.0	0.3	0.1	0.0	24000	76,800	0.0	0.1	0.0	0.0	0.1	0.0	0.0	114	0.000273	0.004	115
2020	Trucks	on Cesar Chavez	25	0.3	176	2	105.6	0.0	0.5	0.2	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.0	0.0	0.0	0.1	0.0	0.0	25	0.000128	0.001	25
2020	Trucks	on 28th	25	0.3	176	2	105.6	0.0	0.5	0.2	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.0	0.0	0.0	0.1	0.0	0.0	25	0.000128	0.001	25
2020	Trucks	idling	idling	0.25	176	2	88	0.2	6.6	1.0	0.0	0.0	0.0	0.0	24000	12,000	0.0	0.4	0.1	0.0	0.1	0.0	0.0	81	0.000342	0.003	81
2025	Trucks	Regional	aggregate	62	176	2	21824	3.0	47.4	17.5	0.1	10.9	3.4	0.2	24000	2,976,000	0.2	3.2	1.2	0.0	0.5	0.1	0.0	3868	0.012295	0.126	3905
2025	Trucks	Onsite	10	0.5	176	2	176	0.1	4.3	0.8	0.0	0.1	0.0	0.0	24000	24,000	0.0	0.3	0.1	0.0	0.1	0.0	0.0	60	0.000562	0.002	60
2025	Trucks	on Harbor	40	1.6	176	2	563.2	0.1	0.9	0.5	0.0	0.3	0.1	0.0	24000	76,800	0.0	0.1	0.0	0.0	0.1	0.0	0.0	112	0.000269	0.004	113
2025	Trucks	on Cesar Chavez	25	0.3	176	2	105.6	0.0	0.5	0.2	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.0	0.0	0.0	0.1	0.0	0.0	24	0.000126	0.001	24
2025	Trucks	on 28th	25	0.3	176	2	105.6	0.0	0.5	0.2	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.0	0.0	0.0	0.1	0.0	0.0	24	0.000126	0.001	24
2025	Trucks	idling	idling	0.25	176	2	88	0.2	6.6	1.0	0.0	0.0	0.0	0.0	24000	12,000	0.0	0.4	0.1	0.0	0.1	0.0	0.0	81	0.000342	0.003	81
2030	Trucks	Regional	aggregate	62	176	2	21824	2.9	45.7	17.4	0.1	10.9	3.4	0.2	24000	2,976,000	0.2	3.1	1.2	0.0	0.5	0.1	0.0	3537	0.011243	0.115	3571
2030	Trucks	Onsite	10	0.5	176	2	176	0.1	4.3	0.8	0.0	0.1	0.0	0.0	24000	24,000	0.0	0.3	0.1	0.0	0.1	0.0	0.0	59	0.00056	0.002	60
2030	Trucks	on Harbor	40	1.6	176	2	563.2	0.1	0.7	0.4	0.0	0.3	0.1	0.0	24000	76,800	0.0	0.0	0.0	0.0	0.1	0.0	0.0	112	0.000268	0.004	113
2030	Trucks	on Cesar Chavez	25	0.3	176	2	105.6	0.0	0.1	0.0	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.0	0.0	0.0	0.1	0.0	0.0	2	1.26E-05	0.000	2
2030	Trucks	on 28th	25	0.3	176	2	105.6	0.0	0.1	0.0	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.0	0.0	0.0	0.1	0.0	0.0	2	1.26E-05	0.000	2
2030	Trucks	idling	idling	0.25	176	2	88	0.1	2.1	0.3	0.0	0.0	0.0	0.0	24000	12,000	0.0	0.1	0.0	0.0	0.1	0.0	0.0	46	0.000197	0.002	47
2035	Trucks	Regional	aggregate	62	176	2	21824	3.0	45.7	17.5	0.1	10.9	3.4	0.2	24000	2,976,000	0.2	3.1	1.2	0.0	0.5	0.1	0.0	3518	0.011184	0.114	3553
2035	Trucks	Onsite	10	0.5	176	2	176	0.1	4.4	0.8	0.0	0.1	0.0	0.0	24000	24,000	0.0	0.3	0.1	0.0	0.1	0.0	0.0	59	0.00056	0.002	60
2035	Trucks	on Harbor	40	1.6	176	2	563.2	0.1	0.7	0.4	0.0	0.3	0.1	0.0	24000	76,800	0.0	0.0	0.0	0.0	0.1	0.0	0.0	112	0.000268	0.004	113
2035	Trucks	on Cesar Chavez	25	0.3	176	2	105.6	0.0	0.5	0.2	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.0	0.0	0.0	0.1	0.0	0.0	24	0.000125	0.001	24
2035	Trucks	on 28th	25	0.3	176	2	105.6	0.0	0.5	0.2	0.0	0.1	0.0	0.0	24000	14,400	0.0	0.0	0.0	0.0	0.1	0.0	0.0	24	0.000125	0.001	24
2035	Trucks	idling	idling	0.25	176	2	88	0.1	3.0	0.4	0.0	0.0	0.0	0.0	24000	12,000	0.0	0.2	0.0	0.0	0.1	0.0	0.0	67	0.000283	0.002	67

EMFAC Emission Factor Summary

		speed	metric	year	ROG	NOX	CO	SOX	PM10	PM2.5	CO2	CH4	N2O
Trucks unmitigated	regional	aggregate	g/vmt	2013/2014	0.19	10.17	0.62	0.02	0.06	0.06	1761	0.009	calculated off fuel in calcs
	travel on Harbor Dr	40	g/vmt	2013/2014	0.16	9.80	0.56	0.02	0.0517	0.05	1738	0.007	
	travel on Cesar Chavez	25	g/vmt	2013/2014	0.34	11.77	1.06	0.02	0.0616	0.06	2054	0.016	
	travel on 28th St	25	g/vmt	2013/2014	0.34	11.77	1.06	0.02	0.0616	0.06	2054	0.016	
	onsite	10	g/vmt	2013/2014	1.31	23.35	2.91	0.03	0.13	0.12	3207	0.061	
	idling	idling	g/idle-hr	2013/2014	1.41	83.01	6.42	0.07	0.08	0.08	7103	0.065	
	regional	aggregate	g/vmt	2020	0.17	4.93	0.66	0.02	0.02	0.02	1669	0.008	
	travel on Harbor Dr	40	g/vmt	2020	0.15	4.63	0.58	0.02	0.0231	0.02	1663	0.007	
	travel on Cesar Chavez	25	g/vmt	2020	0.38	6.70	1.45	0.02	0.0288	0.03	1947	0.018	
	travel on 28th St	25	g/vmt	2020	0.38	6.70	1.45	0.02	0.0288	0.03	1947	0.018	
	onsite	10	g/vmt	2020	1.03	16.29	3.89	0.03	0.04	0.04	2875	0.048	
	idling	idling	g/idle-hr	2020	1.27	33.79	5.03	0.06	0.01	0.01	6724	0.059	
	regional	aggregate	g/vmt	2035	0.08	1.44	0.50	0.01	0.01	0.01	1228	0.004	
	travel on Harbor Dr	40	g/vmt	2035	0.08	0.85	0.44	0.01	0.01	0.01	1454	0.003	
	travel on Cesar Chavez	25	g/vmt	2035	0.19	3.00	1.11	0.02	0.01	0.01	1670	0.009	
	travel on 28th St	25	g/vmt	2035	0.19	3.00	1.11	0.02	0.01	0.01	1670	0.009	
	onsite	10	g/vmt	2035	0.50	17.01	2.96	0.02	0.01	0.01	2469	0.023	
	idling	idling	g/idle-hr	2035	0.51	15.51	1.88	0.05	0.00	0.00	5565	0.024	
	regional	aggregate	g/vmt	2030	0.08	1.44	0.48	0.01	0.01	0.01	1314	0.004	
	travel on Harbor Dr	40	g/vmt	2030	0.07	0.86	0.43	0.00	0.01	0.01	1457	0.003	
	travel on Cesar Chavez	25	g/vmt	2030	0.18	2.98	1.07	0.00	0.01	0.01	1675	0.009	
	travel on 28th St	25	g/vmt	2030	0.18	2.98	1.07	0.00	0.01	0.01	1675	0.009	
	onsite	10	g/vmt	2030	0.50	16.35	2.93	0.00	0.01	0.01	2502	0.024	
	idling	idling	g/idle-hr	2030	0.35	10.75	1.30	0.04	0.00	0.00	3875	0.016	
	regional	aggregate	g/vmt	2025	0.09	1.79	0.51	0.01	0.006	0.006	1489	0.005	
	travel on Harbor Dr	40	g/vmt	2025	0.08	1.26	0.45	0.00	0.006	0.006	1516	0.004	
	travel on Cesar Chavez	25	g/vmt	2025	0.19	3.53	1.13	0.00	0.008	0.008	1742	0.009	
	travel on 28th St	25	g/vmt	2025	0.19	3.53	1.13	0.00	0.008	0.008	1742	0.009	
	onsite	10	g/vmt	2025	0.51	16.59	3.03	0.00	0.011	0.011	2575	0.024	
	idling	idling	g/idle-hr	2025	1.27	33.79	5.03	0.06	0.005	0.005	6724	0.06	
	All travel	bwtw	g/vmt	All					0.098	0.035			
	All travel	road dust	g/vmt	All					0.124	0.031			
Employees	regional	worker trips	g/vmt	2013/2014	0.07	0.222	2.01	0.00	0.05	0.02	390	0.01	0.009
	regional	worker trips	g/vmt	2020	0.02	0.100	0.91	0.00	0.05	0.02	326	0.01	0.004
	regional	worker trips	g/vmt	2035	0.01	0.037	0.39	0.00	0.05	0.02	211	0.005	0.002
	regional	worker trips	g/vmt	2030	0.01	0.047	0.49	0.00	0.05	0.02	230	0.010	0.002
	regional	worker trips	g/vmt	2025	0.01	0.065	0.646	0.003	0.047	0.020	269	0.010	0.003

EMFAC Emission Factor Summary

		speed	metric	year	ROG	NOX	CO	SOX	PM10	PM2.5	CO2	CH4	N2O
			fleet avg	mitgated									
	Phase 2 reduction	2025	2.2%	-12.7%	mit	90%							
		2030	10.2%	-9.6%	unmit	10%							
		2035	15.9%	-3.7%									
mitigated trucks	regional	aggregate	g/vmt	2020	0.07	1.30	0.38	0.00	0.01	0.00	1488	0.005	
5-yrs old	travel on Harbor Dr	40	g/vmt	2020	0.06	0.94	0.34	0.00	0.01	0.01	1482	0.004	
	travel on Cesar Chavez	25	g/vmt	2020	0.16	2.35	0.84	0.00	0.01	0.01	1707	0.009	
	travel on 28th St	25	g/vmt	2020	0.16	2.35	0.84	0.00	0.01	0.01	1707	0.009	
	onsite	10	g/vmt	2020	0.42	11.14	2.26	0.00	0.01	0.01	2523	0.024	
	idling	idling	g/idle-hr	2020	1.27	33.79	5.03	0.06	0.01	0.01	6724	0.029	
	regional	aggregate	g/vmt	2025	0.06	0.99	0.36	0.00	0.004	0.004	1300	0.004	
	travel on Harbor Dr	40	g/vmt	2025	0.06	0.72	0.37	0.00	0.005	0.005	1460	0.003	
	travel on Cesar Chavez	25	g/vmt	2025	0.14	2.03	0.81	0.00	0.005	0.005	1678	0.009	
	travel on 28th St	25	g/vmt	2025	0.14	2.03	0.81	0.00	0.005	0.005	1678	0.009	
	onsite	10	g/vmt	2025	0.37	11.17	2.17	0.00	0.007	0.007	2480	0.023	
	idling	idling	g/idle-hr	2025	1.27	33.79	5.03	0.06	0.005	0.005	6724	0.029	
	regional	aggregate	g/vmt	2030	0.06	0.95	0.36	0.00	0.00	0.00	1188	0.004	
	travel on Harbor Dr	40	g/vmt	2030	0.05	0.56	0.32	0.00	0.00	0.00	1454	0.003	
	travel on Cesar Chavez	25	g/vmt	2030	0.02	0.30	0.11	0.00	0.00	0.00	167	0.001	
	travel on 28th St	25	g/vmt	2030	0.02	0.30	0.11	0.00	0.00	0.00	167	0.001	
	onsite	10	g/vmt	2030	0.37	11.15	2.16	0.00	0.01	0.01	2473	0.023	
	idling	idling	g/idle-hr	2030	0.35	10.75	1.30	0.04	0.00	0.00	3875	0.016	
	regional	aggregate	g/vmt	2035	0.06	0.95	0.36	0.00	0.00	0.00	1182	0.004	
	travel on Harbor Dr	40	g/vmt	2035	0.05	0.56	0.32	0.00	0.00	0.00	1454	0.003	
	travel on Cesar Chavez	25	g/vmt	2035	0.14	1.98	0.81	0.00	0.01	0.00	1670	0.009	
	travel on 28th St	25	g/vmt	2035	0.14	1.98	0.81	0.00	0.01	0.00	1670	0.009	
	onsite	10	g/vmt	2035	0.37	11.21	2.17	0.00	0.01	0.01	2469	0.023	
	idling	idling	g/idle-hr	2035	0.51	15.51	1.88	0.05	0.00	0.00	5565	0.024	

calculated off fuel in calcs

Phase 2 Truck Standards - GHG Reduction Calc

2035 (in TAMT PEIR)
EMFAC2014 (v1.0.7) Emission Rates
Region Type: County
Region: San Diego
Calendar Year: 2035
Season: Annual
Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Region	CalYr	VehClass	MdlYr	Speed	Fuel	VMT	Trips	CO2_RUNEX
San Diego	2035	T7 other pc	2018	Aggregatec	DSL	118.7954067	0	1459.551
San Diego	2035	T7 other pc	2019	Aggregatec	DSL	314.0548549	0	1459.551
San Diego	2035	T7 other pc	2020	Aggregatec	DSL	796.3603184	0	1459.551
San Diego	2035	T7 other pc	2021	Aggregatec	DSL	1331.569098	0	1459.551
San Diego	2035	T7 other pc	2022	Aggregatec	DSL	2003.104776	0	1459.551
San Diego	2035	T7 other pc	2023	Aggregatec	DSL	23209.31038	0	1459.551
San Diego	2035	T7 other pc	2024	Aggregatec	DSL	9698.617825	0	1459.551
San Diego	2035	T7 other pc	2025	Aggregatec	DSL	12405.30231	0	1459.551
San Diego	2035	T7 other pc	2026	Aggregatec	DSL	14958.26801	0	1459.551
San Diego	2035	T7 other pc	2027	Aggregatec	DSL	16991.90406	0	1459.551
San Diego	2035	T7 other pc	2028	Aggregatec	DSL	17156.00554	0	1459.551
San Diego	2035	T7 other pc	2029	Aggregatec	DSL	13981.20086	0	1459.551
San Diego	2035	T7 other pc	2030	Aggregatec	DSL	1861.674331	0	1459.551
San Diego	2035	T7 other pc	2031	Aggregatec	DSL	598.6343865	0	1459.551
San Diego	2035	T7 other pc	2032	Aggregatec	DSL	220.6271904	0	1459.551
San Diego	2035	T7 other pc	2033	Aggregatec	DSL	132.420153	0	1459.551
San Diego	2035	T7 other pc	2034	Aggregatec	DSL	954.5803711	0	1459.551
San Diego	2035	T7 other pc	2035	Aggregatec	DSL	1116.654846	0	1459.551

VMT T7 other port 117849.0847

CO2 calc

Fleet Average

MY	VMT	%of VMT	Phase 2 reduction	CO2 run w/o ph2 (from EMFAC)	CO2 run w ph2
2018	119	0%	0	1459.551	1459.551
2019	314	0%	0	1459.551	1459.551
2020	796	1%	0	1459.551	1459.551
2021	1332	1%	10%	1459.551	1306.657
2022	2003	2%	10%	1459.551	1306.657
2023	23209	20%	10%	1459.551	1306.657
2024	9699	8%	15%	1459.551	1236.494
2025	12405	11%	15%	1459.551	1236.494
2026	14958	13%	15%	1459.551	1236.494
2027	16992	14%	19%	1459.551	1177.158
2028	17156	15%	19%	1459.551	1177.158
2029	13981	12%	19%	1459.551	1177.158
2030	1862	2%	19%	1459.551	1177.158
2031	599	1%	19%	1459.551	1177.158
2032	221	0%	19%	1459.551	1177.158
2033	132	0%	19%	1459.551	1177.158
2034	955	1%	19%	1459.551	1177.158
2035	1117	1%	19%	1459.551	1177.158
2036					
#NAME?	117849	100%		1459.551	1227.932
	TRUE				15.9%
2025.99658					

Mitigation

MY	VMT	%of VMT	Phase 2 reduction	CO2 run w/o ph2 (from EMFAC)	CO2 run w ph2
2031	598.6344	20%	19%	1459.6	1177.158
2032	220.6272	20%	19%	1459.6	1177.158
2033	132.4202	20%	19%	1459.6	1177.158
2034	954.5804	20%	19%	1459.6	1177.158
2035	1116.655	20%	19%	1459.6	1177.158
	3023	100%		1459.6	1177.158
					19.3%
2033					

Phase 2 Truck Standards - GHG Reduction Calc

2025

EMFAC2014 (v1.0.7) Emission Rates
Region Type: County
Region: San Diego
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Region	CalYr	VehClass	MdlYr	Speed	Fuel	VMT	Trips	CO2_RUNEX
San Diego	2025	T7 other pc	2012	Aggregatec	DSL	8540.7071	0	1710.4442
San Diego	2025	T7 other pc	2013	Aggregatec	DSL	10035.761	0	1710.4442
San Diego	2025	T7 other pc	2014	Aggregatec	DSL	11277.018	0	1502.1386
San Diego	2025	T7 other pc	2015	Aggregatec	DSL	12007.107	0	1502.1386
San Diego	2025	T7 other pc	2016	Aggregatec	DSL	11780.431	0	1502.1386
San Diego	2025	T7 other pc	2017	Aggregatec	DSL	8864.8134	0	1459.5508
San Diego	2025	T7 other pc	2018	Aggregatec	DSL	4887.6986	0	1459.5508
San Diego	2025	T7 other pc	2019	Aggregatec	DSL	5251.7074	0	1459.5508
San Diego	2025	T7 other pc	2020	Aggregatec	DSL	5611.9468	0	1459.5508
San Diego	2025	T7 other pc	2021	Aggregatec	DSL	5946.6079	0	1459.5508
San Diego	2025	T7 other pc	2022	Aggregatec	DSL	6228.8351	0	1459.5508
San Diego	2025	T7 other pc	2023	Aggregatec	DSL	6426.7261	0	1459.5508
San Diego	2025	T7 other pc	2024	Aggregatec	DSL	825.26071	0	1459.5508
San Diego	2025	T7 other pc	2025	Aggregatec	DSL	965.3785	0	1459.5508

VMT T7 other port 98649.999

CO2 calc

Fleet Average

MY	VMT	%of VMT	Phase 2 reduction	CO2 run w/o ph2 (from EMFAC)	CO2 run w ph2
2012	8541	9%	0	1710.444	1710.444
2013	10036	10%	0	1710.444	1710.444
2014	11277	11%	0	1502.139	1502.139
2015	12007	12%	0	1502.139	1502.139
2016	11780	12%	0	1502.139	1502.139
2017	8865	9%	0	1459.551	1459.551
2018	4888	5%	0	1459.551	1459.551
2019	5252	5%	0	1459.551	1459.551
2020	5612	6%	0	1459.551	1459.551
2021	5947	6%	10%	1459.551	1306.657
2022	6229	6%	10%	1459.551	1306.657
2023	6427	7%	10%	1459.551	1306.657
2024	825	1%	15%	1459.551	1236.494
2025	965	1%	15%	1459.551	1236.494
	98650	100%		1521.933	1489.054
	TRUE				2.2%
2017					

Mitigation

MY	VMT	%of VMT	Phase 2 reduction	CO2 run w/o ph2 (from EMFAC)	CO2 run w ph2
2021	8540.7071	20%	10%	1459.5508	1306.6572
2022	10035.761	20%	10%	1459.5508	1306.6572
2023	11277.018	20%	10%	1459.5508	1306.6572
2024	12007.107	20%	15%	1459.5508	1236.4943
2025	11780.431	20%	15%	1459.5508	1236.4943
	53641	100%		1459.5508	1278.592
	TRUE				12.4%
2023					

Phase 2 Truck Standards - GHG Reduction Calc

2030

EMFAC2014 (v1.0.7) Emission Rates
Region Type: County
Region: San Diego
Calendar Year: 2030
Season: Annual
Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Region	CalYr	VehClass	MdlYr	Speed	Fuel	VMT	Trips	CO2_RUNEX
San Diego	2030	T7 other pc	2018	Aggregatec	DSL	2358.626306	0	1710.444
San Diego	2030	T7 other pc	2019	Aggregatec	DSL	3108.036531	0	1710.444
San Diego	2030	T7 other pc	2020	Aggregatec	DSL	5355.735007	0	1502.139
San Diego	2030	T7 other pc	2021	Aggregatec	DSL	6304.782864	0	1502.139
San Diego	2030	T7 other pc	2022	Aggregatec	DSL	6888.097072	0	1502.139
San Diego	2030	T7 other pc	2023	Aggregatec	DSL	55685.96305	0	1459.551
San Diego	2030	T7 other pc	2024	Aggregatec	DSL	13744.57656	0	1459.551
San Diego	2030	T7 other pc	2025	Aggregatec	DSL	1815.157716	0	1459.551
San Diego	2030	T7 other pc	2026	Aggregatec	DSL	583.6766439	0	1459.551
San Diego	2030	T7 other pc	2027	Aggregatec	DSL	215.1145022	0	1459.551
San Diego	2030	T7 other pc	2028	Aggregatec	DSL	129.1114447	0	1459.551
San Diego	2030	T7 other pc	2029	Aggregatec	DSL	930.7288053	0	1459.551
San Diego	2030	T7 other pc	2030	Aggregatec	DSL	1088.753616	0	1459.551

VMT T7 other port 98208.36012

CO2 calc

Fleet Average

MY	VMT	%of VMT	Phase 2 reduction	CO2 run w/o ph2 (from EMFAC)	CO2 run w ph2
2018	2359	2%	0	1710.444	1710.444
2019	3108	3%	0	1710.444	1710.444
2020	5356	5%	0	1502.139	1502.139
2021	6305	6%	10%	1502.139	1344.784
2022	6888	7%	10%	1502.139	1344.784
2023	55686	57%	10%	1459.551	1306.657
2024	13745	14%	15%	1459.551	1236.494
2025	1815	2%	15%	1459.551	1236.494
2026	584	1%	15%	1459.551	1236.494
2027	215	0%	19%	1459.551	1177.158
2028	129	0%	19%	1459.551	1177.158
2029	931	1%	19%	1459.551	1177.158
2030	1089	1%	19%	1459.551	1177.158
	98208	100%		1482	1330
	TRUE				10.2%
2023					

Mitigation

MY	VMT	%of VMT	Phase 2 reduction	CO2 run w/o ph2 (from EMFAC)	CO2 run w ph2
2026	583.6766	20%	15%	1459.551	1236.494
2027	215.1145	20%	19%	1459.551	1177.158
2028	129.1114	20%	19%	1459.551	1177.158
2029	930.7288	20%	19%	1459.551	1177.158
2030	1088.754	20%	19%	1459.551	1177.158
	2947	100%		1459.551	1189.025
	TRUE				18.5%
2028					

Electricity Calculations

Emission Calculations

year	kwh no CI	EF (g/kwh)	g	mt
2013/14	13,537,120	317	4,295,141,495	4,295
2017	13,537,120	243	3,289,520,209	3,290
2025	13,537,120	188	2,551,113,477	2,551
2030	13,537,120	174	2,349,657,292	2,350
2035	13,537,120	101	1,366,311,753	1,366
2045	13,537,120	0	0	0

Emission Factors

year	lbs/mwh	g/kwh	
2013/14	699.50	317	used in TAMT
2017	535.73	243	based on SDG&E reporting for 2017
2025	415.47	188	Reporting + RPS in 2025
2030	382.66	174	Reporting + RPS in 2030
2035	222.52	101	Reporting + RPS in 2035
2045	0.00	0	Reporting + RPS in 2045

Consumption in kwh/yr

ITEM	**HP**	**Watts**	**Kilowatts**	**Hours**	**kWh**
AERATION BLOWER	20	14,914	14.9	7300	108,872
AERATION BLOWER	15	11,186	11.2	7300	81,654
AERATION BLOWER	7.5	5,593	5.6	7300	40,827
AERATION BLOWER	20	14,914	14.9	7300	108,872
AERATION BLOWER	15	11,186	11.2	7300	81,654
AERATION BLOWER	7.5	5,593	5.6	7300	40,827
AERATION BLOWER	20	14,914	14.9	7300	108,872
AERATION BLOWER	15	11,186	11.2	7300	81,654
AERATION BLOWER	7.5	5,593	5.6	7300	40,827
AERATION BLOWER	20	14,914	14.9	7300	108,872
AERATION BLOWER	15	11,186	11.2	7300	81,654
AERATION BLOWER	7.5	5,593	5.6	7300	40,827
BUCKET ELEVATOR	20	14,914	14.9	7300	108,872
BUCKET ELEVATOR	20	14,914	14.9	7300	108,872
DUST COLLECTOR - SPOUT	10	7,457	7.5	7300	54,436
DUST COLLECTOR - SPOUT	10	7,457	7.5	7300	54,436
DUST COLLECTOR - SPOUT	10	7,457	7.5	7300	54,436
DUST COLLECTOR - SPOUT	10	7,457	7.5	7300	54,436
LUMP CRUSHER	10	7,457	7.5	7300	54,436
LUMP CRUSHER	10	7,457	7.5	7300	54,436
LUMP CRUSHER	10	7,457	7.5	7300	54,436
LUMP CRUSHER	10	7,457	7.5	7300	54,436
LUMP CRUSHER	10	7,457	7.5	7300	54,436
LUMP CRUSHER	10	7,457	7.5	7300	54,436
LUMP CRUSHER	10	7,457	7.5	7300	54,436
LUMP CRUSHER	10	7,457	7.5	7300	54,436
LOADING SPOUT	1	746	0.7	7300	5,444
LOADING SPOUT	1	746	0.7	7300	5,444
LOADING SPOUT	1	746	0.7	7300	5,444
LOADING SPOUT	1	746	0.7	7300	5,444
SPOUT POSITIONER	1	746	0.7	7300	5,444
SPOUT POSITIONER	1	746	0.7	7300	5,444
SPOUT POSITIONER	1	746	0.7	7300	5,444
SPOUT POSITIONER	1	746	0.7	7300	5,444
LIGHTING		1,000	1.0	4380	4,380
VACUUM UNLOADER			1,450	4032	5,846,400
VACUUM UNLOADER			1,450	4032	5,846,400
COLD IRONING	inlcuded in OGV calcs				423,360

Total	**13,960,480**
Total w/o Cold Ironing	**13,537,120**
Cold Ironing	**423,360**

SDG&E rate in g/kwh for MCC

yr	Total g/kwh CO2e	non-renewable %	renewable %	*YOY % change*
2017	243.00	56.00%	44.00%	
2025	188.45	43.43%	56.6%	*-22%*
2030	173.57	40.00%	60.0%	*-8%*
2035	100.93	23.26%	76.7%	*-42%*
2045	0.00	0.00%	100%	*-100%*

RPS benchmarks: 60% by 2030, 100% by 2045

2017 Power Label

https://www.energy.ca.gov/pcl/labels/2017_labels/SDG_and_E_2017_PCL.pdf

SDGE ERRA 2017 EF, in CO2e 0.243 MT/MWh 535.7233 lbs/MWH 243.0 g/kwh

https://www.sdge.com/sites/default/files/regulatory/SDGE%20November%20Update%20and%20Attachment%20G%20-%20PU

Version: July 2018

2017 POWER CONTENT LABEL

San Diego Gas & Electric

ENERGY RESOURCES	2017 SDG&E Power Mix	2017 SDG&E EcoChoice Mix	2017 CA Power Mix**
Eligible Renewable	**44%**	**100%**	**29%**
Biomass & biowaste	2%	0%	2%
Geothermal	0%	0%	4%
Eligible hydroelectric	0%	0%	3%
Solar	21%	100%	10%
Wind	21%	0%	10%
Coal	**0%**	**0%**	**4%**
Large Hydroelectric	**0%**	**0%**	**15%**
Natural Gas	**39%**	**0%**	**34%**
Nuclear	**0%**	**0%**	**9%**
Other	**0%**	**0%**	**<1%**
Unspecified sources of power*	**17%**	**0%**	**9%**
TOTAL	**100%**	**100%**	**100%**

* "Unspecified sources of power" means electricity from transactions that are not traceable to specific generation sources.

** Percentages are estimated annually by the California Energy Commission based on the electricity sold to California consumers during the identified year.

For specific information about this electricity product, contact:	**San Diego Gas & Electric** **800-411-7343**
For general information about the Power Content Label, please visit:	http://www.energy.ca.gov/pcl/
For additional questions, please contact the California Energy Commission at:	844-454-2906

Mitsubishi Cement Corporation - San Diego Facility
Scenario 1 - Unloading Emissions

Table A-14 - Unloading Emissions

Unloading Equipment	Material Handled (metric tons/yr)	Amount of Unloading Activities (hrs/yr)
Unloader 1	300000	4032.0
Unloader 2	300000	4032.0
Emission Sources	**Emission Factor (lb/hr)**	**Emissions (lb/yr)**
Cement Unloader 1[(1)]	0.262	1056.71
Cement Unloader 2[(1)]	0.262	1056.71
Phase I Warehouse Dust Collectors[(2)]	0.252	2207.52
Phase II Warehouse Dust Collectors[(2)]	0.252	2207.52
Total Post-Project Operational PM10 Emissions	lb/yr	6528.45
	lb/day	22.58
Total Post-Project Operational PM2.5 Emissions[(3)]	lb/yr	6528.45
	lb/day	22.58

(1) Based on 5 mg/m3 @ 14,000 cfm.

(2) From Source Test Report August 31, 2006, Delta Air Quality Services for the addition of pleated bags. 0.0007 grain/cfm @ 21,000 cfm each.

Table A-15 - Payloader Emissions - Cleanout

Variable	Unit	BSFC	HC	CO	NOx	SOx	PM	CO2	CH4	N2O	CO2e (MT)
175-300 HP Off-road Emission Factors [(1)]	g/hp-hr		0.19	3.5	0.4		0.02				
175-300 HP Off-road Emission Factors [(2)]	lb/hp-hr	0.367									
Adjustment factor for Rubber Tire Loaders [(2)]	unitless	1.01									
Carbon Content of Diesel [(3)]	kg/gal							10.21	0.00	0.00	
Carbon Content of Diesel [(3)(4)]	g/lb of diesel							1441.80	0.06	0.01	
Payloader Emission Factors [(5)(6)]	lb/hr	44.48	0.05	0.93	0.11	0.00	0.01	141.38	0.01	0.00	0.06
Payloader Emission Factors [(5)(6)]	lb/day	1067.53	1.21	22.22	2.54	0.03	0.13	3393.21	0.14	0.03	1.55
Payloader Annual Emissions [(5)(6)]	lb/yr	51241.42	57.90	1066.67	121.90	1.54	6.10	162874.16	6.61	1.32	74.22

(1) US EPA Tier 4 Non-Road Diesel Emission Factors

(2) US EPA Exhaust and Crankcase Emission Factors for Nonroad Engine Modeling - Compression-Ignition - Table A5.

(3) US EPA Mandatory Greenhouse Gas Reporting Table C-1 and Table C-2.

(4) Assumes 7.079 lb/gal of diesel. US DOE Alternative Fuels Data Center.

(5) Assumes 300 HP payloader operating 24 hours per day for 2 days for 24 vessels @ 40% load factor per 2011 OFFROAD for rubber tired dozers.

(6) Assumes 15 ppm sulfur content.

Mitsubishi Cement Corporation - San Diego Facility
Scenario 1 - Loading Emissions

Table A-16 - Truck Loading Emissions

Material Handled (metric/yr)	Truck Capacity (metric/truck)	Loading Capacity (trucks/hr)	Number of Trucks Loaded per Year	Peak Trucks Loaded per Day
600,000	25	16	24,000	176

Emission Source	Emission Factor (lb/hr)	Annual Emissions (lb/yr)	Peak Day (lb/day)
Truck Loading[2]	0.16	123.63	0.91
Total		123.63	0.91

(1) Truck loading performed through a loading spout that completely encompasses the truck porthole and employs negative pressure updraft of displaced truck container air, which is filtered through a dust collection system Therefore, loading emissions are accounted for in baghouse emissions.

Use of SCAQMD Rule 1158 truck loading equation applied as follows:

Emission factor for truck loading based on AP-42 and SCAQMD Rule 1158.

Loading Emission Rate (lbs/year) = (LF x Trans x Thru x Days) x (1-Eff.)

where: LF = Load in/out Factor (lb/metric ton) = kL x 0.0032 x 1.1 x $(WS/5)^{1.3}$ x $(M/2)^{-1.4}$

where, kL= Particle Size Multiplier = 0.35 (PM10) and 0.74 (PM30)

WS = Mean Wind Speed (mph) = 6 mph

M = Moisture Content (%) = 1 % from source test data

Trans = Number of Transfers (trucks/day)

Thru = Capacity per truck (metric tons/truck)

Eff = Efficiency of Fugitive Dust Controls

[Waterspray = 80% (AP-42, 8.19.1 (2/95)), Enclosure waterspray = 95% (assumed)]

Efficiency used is 95% as loading is controlled by updraft to a baghouse.

Table A-17 - Payloader Emissions - Silo Loading

Variable	Unit	BSFC	HC	CO	NOx	SOx	PM	CO2	CH4	N2O	CO2e (MT)
175-300 HP Off-road Emission Factors [1]	g/hp-hr		0.19	3.5	0.4		0.02				
175-300 HP Off-road Emission Factors [2]	lb/hp-hr	0.367									
Adjustment factor for Rubber Tire Loaders [2]	unitless	1.01									
Carbon Content of Diesel [3]	kg/gal							10.21	0.00	0.00	
Carbon Content of Diesel [3][4]	g/lb of diesel							1441.80	0.06	0.01	
Payloader Emission Factors [5][6]	lb/hr	44.48	0.05	0.93	0.11	0.00	0.01	141.38	0.01	0.00	0.06
Payloader Emission Factors [5][6]	lb/day	177.92	0.20	3.70	0.42	0.01	0.02	565.54	0.02	0.00	0.26
Payloader Annual Emissions [5][6]	lb/yr	62272.56	70.37	1296.30	148.15	1.87	0.00	197937.35	8.03	1.61	90.19

(1) US EPA Exhaust and Crankcase Emission Factors for Nonroad Engine Modeling - Compression-Ignition - Table A4.

(2) US EPA Exhaust and Crankcase Emission Factors for Nonroad Engine Modeling - Compression-Ignition - Table A5.

(3) US EPA Mandatory Greenhouse Gas Reporting Table C-1 and Table C-2.

(4) Assumes 7.079 lb/gal of diesel. US DOE Alternative Fuels Data Center.

(5) Assumes 300 HP payloader. 4 hours per day, 7 days per week, 50 weeks per year @ 40% load factor. PM emissions controlled by warehouse baghouse.

(6) Assumes 15 ppm sulfur content.

Mitsubishi Cement Corporation - San Diego Facility
Scenario 2 - Unloading Emissions

Table A-18 - Unloading Emissions

Unloading Equipment	Material Handled (metric tons/yr)	Amount of Unloading Activities (hrs/yr)
Unloader 1	300000	4032.0
Unloader 2	300000	4032.0
Emission Sources	**Emission Factor (lb/hr)**	**Emissions (lb/yr)**
Cement Unloader 1[(1)]	0.262	1056.71
Cement Unloader 2[(1)]	0.262	1056.71
Phase I Warehouse Dust Collectors[(2)]	0.252	2207.52
Phase II Warehouse Dust Collectors[(2)]	0.252	2207.52
Total Post-Project Operational PM10 Emissions	lb/yr	6528.45
	lb/day	22.58
Total Post-Project Operational PM2.5 Emissions[(3)]	lb/yr	6528.45
	lb/day	22.58

(1) Based on 5 mg/m3 @ 14,000 cfm.

(2) From Source Test Report August 31, 2006, Delta Air Quality Services for the addition of pleated bags. 0.0007 grain/cfm @ 21,000 cfm each.

Table A-19 - Payloader Emissions - Cleanout

Variable	Unit	BSFC	HC	CO	NOx	SOx	PM	CO2	CH4	N2O	CO2e (MT)
175-300 HP Off-road Emission Factors [(1)]	g/hp-hr		0.19	3.5	0.4		0.02				
175-300 HP Off-road Emission Factors [(2)]	lb/hp-hr	0.367									
Adjustment factor for Rubber Tire Loaders [(2)]	unitless	1.01									
Carbon Content of Diesel [(3)]	kg/gal							10.21	0.00	0.00	
Carbon Content of Diesel [(3)(4)]	g/lb of diesel							1441.80	0.06	0.01	
Payloader Emission Factors [(5)(6)]	lb/hr	44.48	0.05	0.93	0.11	0.00	0.01	141.38	0.01	0.00	0.06
Payloader Emission Factors [(5)(6)]	lb/day	1067.53	1.21	22.22	2.54	0.03	0.13	3393.21	0.14	0.03	1.55
Payloader Annual Emissions [(5)(6)]	lb/yr	51241.42	57.90	1066.67	121.90	1.54	6.10	162874.16	6.61	1.32	74.22

(1) US EPA Tier 4 Non-Road Diesel Emission Factors

(2) US EPA Exhaust and Crankcase Emission Factors for Nonroad Engine Modeling - Compression-Ignition - Table A4 and A5.

(3) US EPA Mandatory Greenhouse Gas Reporting Table C-1 and Table C-2.

(4) Assumes 7.079 lb/gal of diesel. US DOE Alternative Fuels Data Center.

(5) Assumes 300 HP payloader operating 24 hours per day for 2 days for 24 vessels @ 40% load factor per 2011 OFFROAD for rubber tired dozers.

(6) Assumes 15 ppm sulfur content.

Mitsubishi Cement Corporation - San Diego Facility
Scenario 2 - Loading Emissions

Table A-20 - Truck Loading Emissions

Material Handled (metric/yr)	Truck Capacity (metric/truck)	Loading Capacity (trucks/hr)	Number of Trucks Loaded per Year	Peak Trucks Loaded per Day
600000	25	16	24000	176

Emission Source	Emission Factor (lb/hr)	Annual Emissions (lb/yr)	Peak Day (lb/day)
Truck Loading [1]	0.08	123.63	0.91
Total		123.63	0.91

(1) Truck loading performed through a loading spout that encompasses the truck porthole and employs negative pressure updraft of displaced truck container air, which is filtered through a dust collection system Therefore, loading emissions are based on 95% capture efficiency.

Use of SCAQMD Rule 1158 truck loading equation applied as follows:

Emission factor for truck loading based on AP-42 and SCAQMD Rule 1158.

Loading Emission Rate (lbs/year) = (LF x Trans x Thru x Days) x (1-Eff.)

where: LF = Load in/out Factor (lb/metric ton) = kL x 0.0032 x 1.1 x $(WS/5)^{1.3}$ x $(M/2)^{-1.4}$

where, kL= Particle Size Multiplier = 0.35 (PM10) and 0.74 (PM30)

WS = Mean Wind Speed (mph) = 6 mph

M = Moisture Content (%) = 1 % from source test data

Trans = Number of Transfers (trucks/day)

Thru = Capacity per truck (metric tons/truck)

Eff = Efficiency of Fugitive Dust Controls

[Waterspray = 80% (AP-42, 8.19.1 (2/95)), Enclosure waterspray = 95% (assumed)]

Efficiency used is 95% as loading is controlled by updraft to a baghouse.

Table A-21 - Payloader Emissions - Silo Loading

Variable	Unit	BSFC	HC	CO	NOx	SOx	PM	CO2	CH4	N2O	CO2e (MT)
175-300 HP Off-road Emission Factors [1]	g/hp-hr		0.19	3.5	0.4		0.02				
175-300 HP Off-road Emission Factors [2]	lb/hp-hr	0.367									
Adjustment factor for Rubber Tire Loaders [2]	unitless	1.01									
Carbon Content of Diesel [3]	kg/gal							10.21	0.00	0.00	
Carbon Content of Diesel [3][4]	g/lb of diesel							1441.80	0.06	0.01	
Payloader Emission Factors [5][6]	lb/hr	44.48	0.05	0.93	0.11	0.00	0.01	141.38	0.01	0.00	0.06
Payloader Emission Factors [5][6]	lb/day	177.92	0.20	3.70	0.42	0.01	0.02	565.54	0.02	0.00	0.26
Payloader Annual Emissions [5][6]	lb/yr	54799.85	61.93	1140.74	130.37	1.64	0.00	174184.87	7.07	1.41	79.37

(1) US EPA Tier 4 Non-Road Diesel Emission Factors

(2) US EPA Exhaust and Crankcase Emission Factors for Nonroad Engine Modeling - Compression-Ignition - Table A5.

(3) US EPA Mandatory Greenhouse Gas Reporting Table C-1 and Table C-2.

(4) Assumes 7.079 lb/gal of diesel. US DOE Alternative Fuels Data Center.

(5) Assumes 300 HP payloader. 4 hours per day, 7 days per week, 50 weeks per year minus 168 days of direct loading @ 40% load factor. PM emissions controlled by warehouse baghouse.

(6) Assumes 15 ppm sulfur content.

Project Construction Emission Calculation Sheets

Mitsubishi Cement Corporation - San Diego Facility
Construction Emissions

Table A-27 - Construction Equipment List

	Power	Usage	Vehicles per Peak Day in Each Month of Phase 1						
Equipment	HP	Hours/ Miles	1	2	3	4	5	6	7
Offroad Equipment									
Crane - 100 Ton	250	8				1	1	1	1
Crane - 30 Ton	120	8				1	1	1	
Manlift	50	8					2	2	2
Forklift - 5 Ton	50	8				1			
Forklift - 1 Ton	120	8			1	1	1	1	1
Bobcat	50	8			1	1	1	1	1
Front End Loader - 966	175	8			1	1			
Excavator - PC 250	175	8			1	1			
Pile Driver	50	8				1			
Onroad Equipment-Working									
Commuters		22	5	5	20	50	20	20	5
Pickup		1			5	5	5	5	5
Water Truck		1			1	1			
Dump Truck		50			5	5			
Concrete Trucks		50			5	5			
Flatbed Trucks		50			10	10	10	10	
Onroad Equipment - Idling/Startup									
Commuters			5	5	20	50	20	20	5
Pickup					5	5	5	5	5
Water Truck					1	1			
Dump Truck					5	5			
Concrete Trucks					5	5			
Flatbed Trucks					10	10	10	10	

Mitsubishi Cement Corporation - San Diego Facility
Construction Emissions

Table A-28 - Construction Emission Factors

Emission Factors							
Equipment	**ROG**	**CO**	**NOx**	**SOx**	**PM10**	**PM2.5**	**CO2e**
Offroad Equipment (lb/hour)							
Crane - 100 Ton	0.0701	0.2521	0.9836	0.0014	0.0454	0.0417	0.0332
Crane - 30 Ton	0.0519	0.3486	0.5216	0.0006	0.0387	0.0356	0.0135
Manlift	0.0051	0.1506	0.1015	0.0003	0.0019	0.0017	0.0084
Forklift - 5 Ton	0.0262	0.2118	0.1019	0.0002	0.0099	0.0091	0.0050
Forklift - 1 Ton	0.0191	0.1440	0.2010	0.0004	0.0163	0.0150	0.0088
Bobcat	0.0283	0.2839	0.1535	0.0003	0.0123	0.0113	0.0082
Front End Loader - 966	0.0322	0.5845	0.4162	0.0012	0.0213	0.0196	0.0279
Excavator - PC 250	0.0314	0.6641	0.4062	0.0012	0.0201	0.0185	0.0296
Pile Driver	0.0345	0.2342	0.1854	0.0004	0.0160	0.0147	0.0094
Onroad Equipment-Working (lb/mile)							
Commuters	0.0001	0.0041	0.0004	0.0000	0.0001	0.0000	0.0037
Pickup	0.0001	0.0041	0.0004	0.0000	0.0001	0.0000	0.0037
Water Truck	0.0004	0.0014	0.0124	0.0000	0.0003	0.0001	0.0164
Dump Truck	0.0004	0.0014	0.0124	0.0000	0.0003	0.0001	0.0164
Concrete Trucks	0.0004	0.0014	0.0124	0.0000	0.0003	0.0001	0.0164
Flatbed Trucks	0.0004	0.0014	0.0124	0.0000	0.0003	0.0001	0.0164
Onroad Equipment - Idling (lb/vehicle)							
Commuters	0.0014	0.0195	0.0012	0.0000	0.0000	0.0000	0.0016
Pickup	0.0014	0.0195	0.0012	0.0000	0.0000	0.0000	0.0016
Water Truck	0.0021	0.0083	0.0712	0.0001	0.0000	0.0000	0.0511
Dump Truck	0.0021	0.0083	0.0712	0.0001	0.0000	0.0000	0.0511
Concrete Trucks	0.0021	0.0083	0.0712	0.0001	0.0000	0.0000	0.0511
Flatbed Trucks	0.0021	0.0083	0.0712	0.0001	0.0000	0.0000	0.0511

OFFROAD 2018 emission factors for San Diego APCD.

Emfac2014 for SDAPCD 2018 emission factors.

Mitsubishi Cement Corporation - San Diego Facility
Construction Emissions

Table A-29 - Construction Emissions

Phase 1 (lb/day)	Month 1							Month 2						
Equipment	ROG	CO	NOx	SOx	PM10	PM2.5	CO2e	ROG	CO	NOx	SOx	PM10	PM2.5	CO2e
Offroad Equipment														
Crane - 100 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - 30 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manlift	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Forklift - 5 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Forklift - 1 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bobcat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Front End Loader - 966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Excavator - PC 250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pile Driver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Onroad Equipment-Working														
Commuters	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.4
Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flatbed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Onroad Equipment - Idling														
Commuters	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flatbed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Emissions														
Commuters	0.0	0.5	0.1	0.0	0.0	0.0	0.4	0.0	0.5	0.1	0.0	0.0	0.0	0.4
Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flatbed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offroad Emissions	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Onroad Emissions	0.0	0.5	0.1	0.0	0.0	0.0	0.4	0.0	0.5	0.1	0.0	0.0	0.0	0.4
Total Emissions	0.0	0.5	0.1	0.0	0.0	0.0	0.4	0.0	0.5	0.1	0.0	0.0	0.0	0.4

Mitsubishi Cement Corporation - San Diego Facility
Construction Emissions

Table A-30 - Construction Emissions

Phase 1 (lb/day)	Month 3							Month 4						
Equipment	ROG	CO	NOx	SOx	PM10	PM2.5	CO2e	ROG	CO	NOx	SOx	PM10	PM2.5	CO2e
Offroad Equipment														
Crane - 100 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.0	7.9	0.0	0.4	0.3	0.3
Crane - 30 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.8	4.2	0.0	0.3	0.3	0.1
Manlift	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Forklift - 5 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.7	0.8	0.0	0.1	0.1	0.0
Forklift - 1 Ton	0.2	1.2	1.6	0.0	0.1	0.1	0.1	0.2	1.2	1.6	0.0	0.1	0.1	0.1
Bobcat	0.2	2.3	1.2	0.0	0.1	0.1	0.1	0.2	2.3	1.2	0.0	0.1	0.1	0.1
Front End Loader - 966	0.3	4.7	3.3	0.0	0.2	0.2	0.2	0.3	4.7	3.3	0.0	0.2	0.2	0.2
Excavator - PC 250	0.3	5.3	3.2	0.0	0.2	0.1	0.2	0.3	5.3	3.2	0.0	0.2	0.1	0.2
Pile Driver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.9	1.5	0.0	0.1	0.1	0.1
Onroad Equipment-Working														
Commuters	0.0	1.8	0.2	0.0	0.0	0.0	1.6	0.1	4.4	0.5	0.0	0.1	0.0	4.0
Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	0.1	0.4	3.1	0.0	0.1	0.0	4.1	0.1	0.4	3.1	0.0	0.1	0.0	4.1
Concrete Trucks	0.1	0.4	3.1	0.0	0.1	0.0	4.1	0.1	0.4	3.1	0.0	0.1	0.0	4.1
Flatbed Trucks	0.2	0.7	6.2	0.0	0.1	0.1	8.2	0.2	0.7	6.2	0.0	0.1	0.1	8.2
Onroad Equipment - Idling														
Commuters	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Pickup	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Dump Truck	0.0	0.0	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.3
Concrete Trucks	0.0	0.0	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.3
Flatbed Trucks	0.0	0.1	0.7	0.0	0.0	0.0	0.5	0.0	0.1	0.7	0.0	0.0	0.0	0.5
Total Emissions														
Commuters	0.1	2.2	0.2	0.0	0.0	0.0	1.6	0.1	4.8	0.5	0.0	0.1	0.0	4.0
Pickup	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Dump Truck	0.1	0.4	3.5	0.0	0.1	0.0	4.4	0.1	0.4	3.5	0.0	0.1	0.0	4.4
Concrete Trucks	0.1	0.4	3.5	0.0	0.1	0.0	4.4	0.1	0.4	3.5	0.0	0.1	0.0	4.4
Flatbed Trucks	0.2	0.8	6.9	0.0	0.1	0.1	8.7	0.2	0.8	6.9	0.0	0.1	0.1	8.7
Offroad Emissions	0.9	13.4	9.4	0.0	0.6	0.5	0.6	2.3	21.8	23.8	0.0	1.4	1.3	1.1
Onroad Emissions	0.5	3.9	14.1	0.0	0.3	0.2	19.1	0.6	6.5	14.4	0.0	0.4	0.2	21.5
Total Emissions	1.4	17.3	23.5	0.1	0.9	0.7	19.7	2.9	28.3	38.2	0.1	1.8	1.5	22.6

Mitsubishi Cement Corporation - San Diego Facility
Construction Emissions

Table A-31 - Construction Emissions

Phase 1 (lb/day)	Month 5							Month 6						
Equipment	ROG	CO	NOx	SOx	PM10	PM2.5	CO2e	ROG	CO	NOx	SOx	PM10	PM2.5	CO2e
Offroad Equipment														
Crane - 100 Ton	0.6	2.0	7.9	0.0	0.4	0.3	0.3	0.6	2.0	7.9	0.0	0.4	0.3	0.3
Crane - 30 Ton	0.4	2.8	4.2	0.0	0.3	0.3	0.1	0.4	2.8	4.2	0.0	0.3	0.3	0.1
Manlift	0.1	2.4	1.6	0.0	0.0	0.0	0.1	0.1	2.4	1.6	0.0	0.0	0.0	0.1
Forklift - 5 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Forklift - 1 Ton	0.2	1.2	1.6	0.0	0.1	0.1	0.1	0.2	1.2	1.6	0.0	0.1	0.1	0.1
Bobcat	0.2	2.3	1.2	0.0	0.1	0.1	0.1	0.2	2.3	1.2	0.0	0.1	0.1	0.1
Front End Loader - 966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Excavator - PC 250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pile Driver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Onroad Equipment-Working														
Commuters	0.0	1.8	0.2	0.0	0.0	0.0	1.6	0.0	1.8	0.2	0.0	0.0	0.0	1.6
Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flatbed Trucks	0.2	0.7	6.2	0.0	0.1	0.1	8.2	0.2	0.7	6.2	0.0	0.1	0.1	8.2
Onroad Equipment - Idling														
Commuters	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Pickup	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flatbed Trucks	0.0	0.1	0.7	0.0	0.0	0.0	0.5	0.0	0.1	0.7	0.0	0.0	0.0	0.5
Total Emissions														
Commuters	0.1	2.2	0.2	0.0	0.0	0.0	1.6	0.1	2.2	0.2	0.0	0.0	0.0	1.6
Pickup	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flatbed Trucks	0.2	0.8	6.9	0.0	0.1	0.1	8.7	0.2	0.8	6.9	0.0	0.1	0.1	8.7
Offroad Emissions	1.4	10.6	16.5	0.0	0.9	0.9	0.6	1.4	10.6	16.5	0.0	0.9	0.9	0.6
Onroad Emissions	0.3	3.1	7.1	0.0	0.2	0.1	10.4	0.3	3.1	7.1	0.0	0.2	0.1	10.4
Total Emissions	1.7	13.7	23.6	0.0	1.1	0.9	11.0	1.7	13.7	23.6	0.0	1.1	0.9	11.0

Mitsubishi Cement Corporation - San Diego Facility
Construction Emissions

Table A-32 - Construction Emissions

Phase 1 (lb/day)	Month 7							Peak Daily Summary						
Equipment	ROG	CO	NOx	SOx	PM10	PM2.5	CO2e	ROG	CO	NOx	SOx	PM10	PM2.5	CO2e
Offroad Equipment														
Crane - 100 Ton	0.6	2.0	7.9	0.0	0.4	0.3	0.3	0.6	2.0	7.9	0.0	0.4	0.3	0.3
Crane - 30 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.8	4.2	0.0	0.3	0.3	0.1
Manlift	0.1	2.4	1.6	0.0	0.0	0.0	0.1	0.1	2.4	1.6	0.0	0.0	0.0	0.1
Forklift - 5 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.7	0.8	0.0	0.1	0.1	0.0
Forklift - 1 Ton	0.2	1.2	1.6	0.0	0.1	0.1	0.1	0.2	1.2	1.6	0.0	0.1	0.1	0.1
Bobcat	0.2	2.3	1.2	0.0	0.1	0.1	0.1	0.2	2.3	1.2	0.0	0.1	0.1	0.1
Front End Loader - 966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	4.7	3.3	0.0	0.2	0.2	0.2
Excavator - PC 250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	5.3	3.2	0.0	0.2	0.1	0.2
Pile Driver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.9	1.5	0.0	0.1	0.1	0.1
Onroad Equipment-Working														
Commuters	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.1	4.4	0.5	0.0	0.1	0.0	4.0
Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	3.1	0.0	0.1	0.0	4.1
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	3.1	0.0	0.1	0.0	4.1
Flatbed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	6.2	0.0	0.1	0.1	8.2
Onroad Equipment - Idling														
Commuters	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Pickup	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.3
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.3
Flatbed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	0.0	0.0	0.0	0.5
Total Emissions														
Commuters	0.0	0.5	0.1	0.0	0.0	0.0	0.4	0.1	4.8	0.5	0.0	0.1	0.0	4.0
Pickup	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	3.5	0.0	0.1	0.0	4.4
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	3.5	0.0	0.1	0.0	4.4
Flatbed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	6.9	0.0	0.1	0.1	8.7
Offroad Emissions	1.0	7.8	12.3	0.0	0.6	0.6	0.5	2.3	21.8	23.8	0.0	1.4	1.3	1.1
Onroad Emissions	0.0	0.7	0.1	0.0	0.0	0.0	0.4	0.6	6.5	14.4	0.0	0.4	0.2	21.5
Total Emissions	1.0	8.5	12.4	0.0	0.6	0.6	1.0	2.9	28.3	38.2	0.1	1.8	1.5	22.6

Mitsubishi Cement Corporation - San Diego Facility
Phase 2 Construction Emissions

Table A-33 - Construction Equipment List

	Power	Usage	Vehicles per Peak Day in Each Month of Phase 2						
Equipment	HP	Hours/ Miles	1	2	3	4	5	6	7
Offroad Equipment									
Crane - 100 Ton	250	8					1	1	1
Crane - 30 Ton	120	8					1	1	
Manlift	50	8					2	2	2
Forklift - 5 Ton	50	8							
Forklift - 1 Ton	120	8			1	1	1	1	1
Bobcat	50	8			1	1	1	1	1
Front End Loader - 966	175	8							
Excavator - PC 250	175	8			1	1			
Pile Driver	50	8				1			
Onroad Equipment-Working									
Commuters		22	5	5	20	20	20	20	5
Pickup		1			5	5	5	5	5
Water Truck		1			1	1			
Dump Truck		50			5	5			
Concrete Trucks		50			5	5			
Flatbed Trucks		50			5	5	5	5	
Onroad Equipment - Idling/Startup									
Commuters			5	5	20	20	20	20	5
Pickup					5	5	5	5	5
Water Truck					1	1			
Dump Truck					5	5			
Concrete Trucks					5	5			
Flatbed Trucks					5	5	5	5	

Mitsubishi Cement Corporation - San Diego Facility
Phase 2 Construction Emissions

Table A-34 - Construction Emissions

Phase 2 (lb/day)	Month 1							Month 2						
Equipment	ROG	CO	NOx	SOx	PM10	PM2.5	CO2e	ROG	CO	NOx	SOx	PM10	PM2.5	CO2e
Offroad Equipment														
Crane - 100 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - 30 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manlift	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Forklift - 5 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Forklift - 1 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bobcat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Front End Loader - 966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Excavator - PC 250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pile Driver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Onroad Equipment-Working														
Commuters	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.4
Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flatbed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Onroad Equipment - Idling														
Commuters	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flatbed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Emissions														
Commuters	0.0	0.5	0.1	0.0	0.0	0.0	0.4	0.0	0.5	0.1	0.0	0.0	0.0	0.4
Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flatbed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offroad Emissions	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Onroad Emissions	0.0	0.5	0.1	0.0	0.0	0.0	0.4	0.0	0.5	0.1	0.0	0.0	0.0	0.4
Total Emissions	0.0	0.5	0.1	0.0	0.0	0.0	0.4	0.0	0.5	0.1	0.0	0.0	0.0	0.4

Mitsubishi Cement Corporation - San Diego Facility
Phase 2 Construction Emissions

Table A-35 - Construction Emissions

Phase 2 (lb/day)	Month 3							Month 4						
Equipment	ROG	CO	NOx	SOx	PM10	PM2.5	CO2e	ROG	CO	NOx	SOx	PM10	PM2.5	CO2e
Offroad Equipment														
Crane - 100 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - 30 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manlift	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Forklift - 5 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Forklift - 1 Ton	0.2	1.2	1.6	0.0	0.1	0.1	0.1	0.2	1.2	1.6	0.0	0.1	0.1	0.1
Bobcat	0.2	2.3	1.2	0.0	0.1	0.1	0.1	0.2	2.3	1.2	0.0	0.1	0.1	0.1
Front End Loader - 966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Excavator - PC 250	0.3	5.3	3.2	0.0	0.2	0.1	0.2	0.3	5.3	3.2	0.0	0.2	0.1	0.2
Pile Driver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.9	1.5	0.0	0.1	0.1	0.1
Onroad Equipment-Working														
Commuters	0.0	1.8	0.2	0.0	0.0	0.0	1.6	0.0	1.8	0.2	0.0	0.0	0.0	1.6
Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	0.1	0.4	3.1	0.0	0.1	0.0	4.1	0.1	0.4	3.1	0.0	0.1	0.0	4.1
Concrete Trucks	0.1	0.4	3.1	0.0	0.1	0.0	4.1	0.1	0.4	3.1	0.0	0.1	0.0	4.1
Flatbed Trucks	0.1	0.4	3.1	0.0	0.1	0.0	4.1	0.1	0.4	3.1	0.0	0.1	0.0	4.1
Onroad Equipment - Idling														
Commuters	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Pickup	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Dump Truck	0.0	0.0	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.3
Concrete Trucks	0.0	0.0	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.3
Flatbed Trucks	0.0	0.0	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.3
Total Emissions														
Commuters	0.1	2.2	0.2	0.0	0.0	0.0	1.6	0.1	2.2	0.2	0.0	0.0	0.0	1.6
Pickup	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Dump Truck	0.1	0.4	3.5	0.0	0.1	0.0	4.4	0.1	0.4	3.5	0.0	0.1	0.0	4.4
Concrete Trucks	0.1	0.4	3.5	0.0	0.1	0.0	4.4	0.1	0.4	3.5	0.0	0.1	0.0	4.4
Flatbed Trucks	0.1	0.4	3.5	0.0	0.1	0.0	4.4	0.1	0.4	3.5	0.0	0.1	0.0	4.4
Offroad Emissions	0.6	8.7	6.1	0.0	0.4	0.4	0.4	0.9	10.6	7.6	0.0	0.5	0.5	0.4
Onroad Emissions	0.4	3.5	10.7	0.0	0.3	0.1	14.8	0.4	3.5	10.7	0.0	0.3	0.1	14.8
Total Emissions	1.0	12.2	16.8	0.0	0.6	0.5	15.2	1.3	14.1	18.2	0.0	0.8	0.6	15.2

Mitsubishi Cement Corporation - San Diego Facility
Phase 2 Construction Emissions

Table A-36 - Construction Emissions

Phase 2 (lb/day)	Month 5							Month 6						
Equipment	ROG	CO	NOx	SOx	PM10	PM2.5	CO2e	ROG	CO	NOx	SOx	PM10	PM2.5	CO2e
Offroad Equipment														
Crane - 100 Ton	0.6	2.0	7.9	0.0	0.4	0.3	0.3	0.6	2.0	7.9	0.0	0.4	0.3	0.3
Crane - 30 Ton	0.4	2.8	4.2	0.0	0.3	0.3	0.1	0.4	2.8	4.2	0.0	0.3	0.3	0.1
Manlift	0.1	2.4	1.6	0.0	0.0	0.0	0.1	0.1	2.4	1.6	0.0	0.0	0.0	0.1
Forklift - 5 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Forklift - 1 Ton	0.2	1.2	1.6	0.0	0.1	0.1	0.1	0.2	1.2	1.6	0.0	0.1	0.1	0.1
Bobcat	0.2	2.3	1.2	0.0	0.1	0.1	0.1	0.2	2.3	1.2	0.0	0.1	0.1	0.1
Front End Loader - 966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Excavator - PC 250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pile Driver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Onroad Equipment-Working														
Commuters	0.0	1.8	0.2	0.0	0.0	0.0	1.6	0.0	1.8	0.2	0.0	0.0	0.0	1.6
Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flatbed Trucks	0.1	0.4	3.1	0.0	0.1	0.0	4.1	0.1	0.4	3.1	0.0	0.1	0.0	4.1
Onroad Equipment - Idling														
Commuters	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Pickup	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flatbed Trucks	0.0	0.0	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.3
Total Emissions														
Commuters	0.1	2.2	0.2	0.0	0.0	0.0	1.6	0.1	2.2	0.2	0.0	0.0	0.0	1.6
Pickup	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flatbed Trucks	0.1	0.4	3.5	0.0	0.1	0.0	4.4	0.1	0.4	3.5	0.0	0.1	0.0	4.4
Offroad Emissions	1.4	10.6	16.5	0.0	0.9	0.9	0.6	1.4	10.6	16.5	0.0	0.9	0.9	0.6
Onroad Emissions	0.2	2.7	3.7	0.0	0.1	0.1	6.0	0.2	2.7	3.7	0.0	0.1	0.1	6.0
Total Emissions	1.6	13.3	20.2	0.0	1.0	0.9	6.6	1.6	13.3	20.2	0.0	1.0	0.9	6.6

Mitsubishi Cement Corporation - San Diego Facility
Phase 2 Construction Emissions

Table A-37 - Construction Emissions

Phase 2 (lb/day)	Month 7							Peak Daily Summary						
Equipment	ROG	CO	NOx	SOx	PM10	PM2.5	CO2e	ROG	CO	NOx	SOx	PM10	PM2.5	CO2e
Offroad Equipment														
Crane - 100 Ton	0.6	2.0	7.9	0.0	0.4	0.3	0.3	0.6	2.0	7.9	0.0	0.4	0.3	0.3
Crane - 30 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.8	4.2	0.0	0.3	0.3	0.1
Manlift	0.1	2.4	1.6	0.0	0.0	0.0	0.1	0.1	2.4	1.6	0.0	0.0	0.0	0.1
Forklift - 5 Ton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Forklift - 1 Ton	0.2	1.2	1.6	0.0	0.1	0.1	0.1	0.2	1.2	1.6	0.0	0.1	0.1	0.1
Bobcat	0.2	2.3	1.2	0.0	0.1	0.1	0.1	0.2	2.3	1.2	0.0	0.1	0.1	0.1
Front End Loader - 966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Excavator - PC 250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	5.3	3.2	0.0	0.2	0.1	0.2
Pile Driver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.9	1.5	0.0	0.1	0.1	0.1
Onroad Equipment-Working														
Commuters	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.0	1.8	0.2	0.0	0.0	0.0	1.6
Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	3.1	0.0	0.1	0.0	4.1
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	3.1	0.0	0.1	0.0	4.1
Flatbed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	3.1	0.0	0.1	0.0	4.1
Onroad Equipment - Idling														
Commuters	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Pickup	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.3
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.3
Flatbed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.3
Total Emissions														
Commuters	0.0	0.5	0.1	0.0	0.0	0.0	0.4	0.1	2.2	0.2	0.0	0.0	0.0	1.6
Pickup	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	3.5	0.0	0.1	0.0	4.4
Concrete Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	3.5	0.0	0.1	0.0	4.4
Flatbed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	3.5	0.0	0.1	0.0	4.4
Offroad Emissions	1.0	7.8	12.3	0.0	0.6	0.6	0.5	1.4	10.6	16.5	0.0	0.9	0.9	0.6
Onroad Emissions	0.0	0.7	0.1	0.0	0.0	0.0	0.4	0.4	3.5	10.7	0.0	0.3	0.1	14.8
Total Emissions	1.0	8.5	12.4	0.0	0.6	0.6	1.0	1.6	14.1	20.2	0.0	1.0	0.9	15.2

Mitsubishi Cement Corporation - San Diego Facility
Peak Daily Fugitive PM Construction Emissions

Table A-38 - Fugitive Construction Dust

Grading Operations	Average Pieces of Equipment Operating	Peak Pieces of Equipment Operating	Hours of Operation	PM10 Emission Factor (lb/hour)	Water Control Factor[5]	Controlled Emissions: Average PM10 Emissions (lbs/day)	Controlled Emissions: Peak PM10 Emissions (lbs/day)	Uncontrolled Emissions: Average PM10 Emissions (lbs/day)	Uncontrolled Emissions: Peak PM10 Emissions (lbs/day)
Construction Activities[1]	1	1	8	0.348	0.39	1.08	1.08	2.78109217	2.78109217

Stockpiles	Average Tons of Materials Handled Per Day	Peak Tons of Materials Handled Per Day	PM10 Emission Factor (lb/ton)	Water Control Factor[5]	Controlled Emissions: Average PM10 Emissions Pounds/day	Controlled Emissions: Peak PM10 Emissions Pounds/day	Uncontrolled Emissions: Average PM10 Emissions Pounds/day	Uncontrolled Emissions: Peak PM10 Emissions Pounds/day
Construction Activities[2]	1000	1000	0.00008	0.39	0.03154948	0.03154948	0.08089611	0.08089611

Assumptions: 1cubic yard trench spoils = 1 ton

WIND EROSION Disturbed Area and Temporary Stockpiles	Days of Construction	Average Acreage Disturbed Per Day	Peak Acreage Disturbed Per Day	PM10 Emission Factor (lb/day/acre)	Average PM10 Emissions Pounds/day	Peak PM10 Emissions Pounds/day	Average PM10 Emissions Tons/Year	Peak PM10 Emissions Tons/Year
Construction Activities[3]	20	0.5	0.5	2.155	1.078	1.078	0.011	0.011

Filling and Dumping	Estimated Materials Handled Per Day (tons)	Peak Tons of Materials Handled Per Day	PM10 Emission Factor (lb/ton)	Water Control Factor[5]	Controlled Emissions: Average PM10 Emissions Pounds/day	Controlled Emissions: Peak PM10 Emissions Pounds/day	Uncontrolled Emissions: Average PM10 Emissions Pounds/day	Uncontrolled Emissions: Peak PM10 Emissions Pounds/day
Truck Filling[4]	1200.0	1200.0	5.15E-05	0.39	0.02411771	0.02411771	0.06184029	0.06184029
Truck Dumping	1200.0	1200.0	5.15E-05	0.39	0.02411771	0.02411771	0.06184029	0.06184029

TOTAL PM10 Pounds/day	Average	Peak
(Controlled Emissions)	2.2	2.2
(Uncontrolled Emissions)	3.0	3.0

(1) Emissions (lbs/hr) = [0.75 x ($G^{1.5}$)/($H^{1.4}$) x J
where G = silt content (7.5%), H = moisture content (15.0%) and J = hrs of operation (EPA AP-42 Table 11.9-1 for bulldozing overburden).

(2) Emissions (lbs/ton) = 0.00112 x [$(G/5)^{1.3}$/$(H/2)^{1.4}$] x I/J
where G=mean wind speed (5.8 mph), H=moisture content of surface material (15%); I=lbs of dirt handled per day; and J=2,000 lbs/ton.
Wind speed data acquired from San Diego 2009-2014 CARB meteorological file.

(3) Emissions (lbs/day/acre) = 1.7 x [(G/1.5)*(365-H)/235] x I/15 x J
where G = silt content (7.5%); H = days with >0.01 inch of rain (43); I = percentage of time wind speed exceeds 12 mph (5.4%) and J= fraction of TSP (0.5).
Wind speed data acquired from San Diego 2009-2014 CARB meteorological file. Rain data from www.usclimatedata.com

(4) Used SCAQMD Air Quality Handbook Table 9-9 Default emission factors.

(5) Mitigated Emissions assume that watering 3 times per day controls emissions by 61 percent (Uncontrolled Emissions x 0.39).

Appendix D

Mitsubishi Cement Corporation San Diego
Facility Health Risk Assessment

Mitsubishi Cement Corporation
San Diego Facility
Health Risk Assessment

September 2018

Prepared for: Mitsubishi Cement Corporation

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1.0 EXECUTIVE SUMMARY

1.1 INTRODUCTION

This Health Risk Assessment (HRA) includes a comprehensive analysis of the dispersion of toxic air contaminants from the proposed Mitsubishi Cement Corporation San Diego Facility (Proposed Project) into the environment, the potential for human exposure, and a quantitative assessment of health risks associated with the predicted levels of exposure. This HRA includes all operational emission sources from the Proposed Project.

1.2 FACILITY LOCATION

This HRA is for the proposed Mitsubishi Cement Corporation San Diego Facility to be located at 645 Switzer Street (Warehouse C) Bays C-7 through C-10 on the TAMT (see Figure 1).

1.3 LAND USE AND ZONING

The TAMT is located along San Diego Bay, south of downtown San Diego, east of the San Diego Convention Center and the Hilton San Diego Bayfront Hotel, and adjacent to the San Diego community of Barrio Logan. Harbor Drive is located near the northern boundary of the TAMT. Site access from Harbor Drive is provided primarily from Cesar E. Chavez Parkway, which becomes Crosby Road as it approaches the TAMT. The TAMT and surrounding area is heavily industrialized.

Major circulation facilities in the area include State Route 75 (SR 75), also known as the Coronado Bridge, approximately 0.25 mile to the south, and Interstate 5 (I-5), approximately 0.5 mile to the north. Figure 1 provides a regional map of the Proposed Project's location. Figure 2 provides an aerial view of the Proposed Project site. The Proposed Project is located within the Coastal Zone, as defined by the California Coastal Act. The closest sensitive area is Cesar Chavez Park, which is adjacent to the TAMT. The closest residential area is approximately one quarter mile north of the TAMT.

1.4 DESCRIPTION OF FACILITY AND PROCESSES

The Proposed Project involves phased modifications to Bays C-7 through C-10 of Warehouse C to import and distribute up to 600,000 metric tons (MT) per year of cementitious materials. The cementitious materials would be pneumatically unloaded into Warehouse C from dry bulk cargo ships using up to two 400 MT per hour mobile vacuum unloaders at maximum operation. The vessels would use Berths 10-7/10-8, as shown in Figure 2. The cementitious materials will be distributed from the warehouse using bulk cement trucks.

1.5 FINAL TENTH AVENUE MARINE TERMINAL (TAMT) PROGRAM EIR HRA

The Final TAMT Program EIR analyzed the cancer and non-cancer health risks associated with dry bulk operations at TAMT. This analysis compares the health risk associated with the Proposed Project to the health risk assessment (HRA) in the Final TAMT Program EIR to

determine if any change to health risk would occur as a result of the Proposed Project. The Final TAMT Program EIR HRA for dry bulk operations included ocean-going vessel (OGV) hoteling, OGV transit, assist tugs, rail transport, truck transport, and terminal equipment. Health risk from rail transport was not included in this analysis because the Proposed Project does not include rail transport. Further, the Final TAMT Program EIR did not include the health risks associated with metals in cementitious dust, but are included in this analysis. The health risks, excluding rail transport, for operational emissions associated with dry bulk operations in the Final TAMT Program EIR are summarized in Table 1.

Table 1

FINAL TAMT PROGRAM EIR
DRY BULK OPERATIONS HRA SUMMARY

	Net Risk Over Baseline	
Receptor Type	**Cancer Risk (per Million)**	**Chronic Hazard Index**
Resident	19.8	0.0052
School	3.8	0.007
Recreational (Park)	2.8	0.0116
Maximum Sensitive	19.8	0.0116

Source: TAMT FEIR Appendix F for dry bulk operations only. See Appendix A of this analysis for more details.

1.6 SUMMARY OF RESULTS

1.6.1 Proposed Project with Metals

The health risk associated with emissions from the Proposed Project is summarized in Table 2. Based on the air quality modeling and related assumptions, the Proposed Project's estimated cancer risk to the maximum exposed individual worker (MEIW) is 1.60×10^{-6} or about 1.6 per one million for all sources. The cancer risk to the maximum exposed individual resident (MEIR) for a 30-year exposure is 4.99×10^{-6} or about 5.0 per million for all sources. The estimated cancer risk to the maximum exposed park for a 15-year exposure is 4.24×10^{-6} or about 4.2 per million for all sources. The estimated cancer risk to the maximum exposed student or hospital for a 9-year exposure is 5.33×10^{-7} or about 0.5 per million for all sources. Therefore, the cancer risk to the maximum exposed sensitive receptor (residents, workers, schools, parks, hospitals) is 4.99×10^{-6} or about 5.0 per million for all sources at a resident. The total chronic non-cancer hazard index for the Proposed Project operations is 0.06. The total acute non-cancer hazard index for the Proposed Project operations is 0.11.

Table 2

PROPOSED PROJECT HEALTH RISK SUMMARY

Exposure	With Metals	Without Metals
Excess Estimated Cancer Risk to the Maximum Exposed Individual Worker	1.60E-06	9.28E-07
Excess Estimated Cancer Risk to the Maximum Exposed Individual Resident for a 30-year exposure	4.99E-06	2.94E-06
Excess Estimated Cancer Risk at a Park for a 15-year exposure	4.24E-06	9.40E-07
Excess Estimated Cancer Risk at a School or Hospital for a 9-year exposure	5.33E-07	3.17E-07
Excess Cancer Risk to any Sensitive Receptor	4.99E-06	2.94E-06
Total Chronic Non-cancer Hazard Index	6.18E-02	3.00E-03
Total Acute Non-cancer Hazard Index	1.08E-01	NA

NA = Not applicable

Since the estimated cancer risks at the MEIW, MEIR, and the maximum exposed sensitive receptors do not exceed the 10 x 10^{-6} or 10 per million thresholds and the total non-cancer hazard indices are below the 1.0 thresholds, the cancer and non-cancer health effects from the Proposed Project are less than significant.

1.6.2 Proposed Project without Metals

The Final TAMT Program EIR did not include metals in the health risk analysis. To provide a direct comparison of the proposed project to the Final TAMT Program EIR, the health risk from the proposed project is also presented without metals. The health risk associated with emissions from the Proposed Project without metals is summarized in Table 2. Based on the air quality modeling and related assumptions, without metals, the Proposed Project's estimated cancer risk to the MEIW is 9.28 x 10^{-7} or about 0.9 per one million for all sources. The cancer risk to the MEIR is 2.94 x 10^{-6} or about 2.9 per million for all sources. The estimated cancer risk to the maximum exposed sensitive receptor is 2.94 x 10^{-6} or about 2.9 per million for all sources. Additionally, the total chronic non-cancer hazard index for the Proposed Project operations is 0.003. There are no known acute hazards associated with DPM emissions.

The comparison of health risk of Proposed Project to dry bulk operations from the Final TAMT Program EIR is presented in Table 3.

Table 3

COMPARISON OF PROPOSED PROJECT TO THE FINAL TAMT PROGRAM EIR HEALTH RISK SUMMARY

Receptor Type	Proposed Project with Metals	Proposed Project without Metals	TAMT Dry Bulk EIR	Net Risk with Metals
Excess Estimated Cancer Risk for MEIW (per million)	1.6	0.9	NR	1.6
Excess Estimated Cancer Risk for Sensitive (per million)	5.0	2.9	19.8	-14.8
Total Chronic Non-cancer Hazard Index	0.06	0.003	0.0116	0.05
Total Acute Non-cancer Hazard Index	0.11	NA	NA	0.11

NR = Not reported; NA = Not Applicable

2.0 HAZARD IDENTIFICATION

The operation of the Proposed Project generates various air contaminants. Some of these chemical compounds are carcinogenic, toxic, and/or hazardous. Numerous federal, state, and local regulatory agencies have developed lists of toxic air contaminants (TACs). The list of potentially-emitted substances considered in the preparation of the HRA for the Proposed Project is from the *Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values* (OEHHA, 2017). The chemicals with health effects listed on the Consolidated Tablet are DPM, arsenic, beryllium, cadmium, hexavalent chromium, copper, lead, mercury, nickel, selenium, vanadium, and zinc. DPM, arsenic, cadmium, hexavalent chromium, lead, and nickel have carcinogenic health effects. DPM, arsenic, cadmium, hexavalent chromium, manganese, and nickel have non-cancerous chronic health effects. Arsenic, copper, nickel, and vanadium have non-cancerous acute health effects. For carcinogens, potency factors (PF) were used for computing cancer risk. For non-cancer health effects, reference exposure levels (REL) were used. The non-carcinogenic hazard indices were computed for chronic exposures with their respective toxicological endpoints shown.

3.0 EXPOSURE ASSESSMENT

The exposure assessment estimates the extent of public exposure to DPM emitted by the Proposed Project and determines the ground-level concentrations of each compound through air quality modeling.

3.1 EMISSION SOURCES

The Proposed Project includes multiple types of sources including point sources,volume sources, and area sources. A point source is a source with emissions released from a single point with a velocity and vertical direction. An example of a point source is exhaust for a fired source (e.g., a combustion engine). A volume or area source is a source with emissions throughout a specific location. An example would be a collection of fugitive sources such as various valves, flanges, pumps, compressors, and drains located throughout an area, or a moving emission source that operates within a specified area. Emissions are assumed to be emitted continuously throughout "the area" of the source location. A total of 20 sources at the Proposed Project where modeled; of these, eight are point sources, five are volume sources, and seven are area sources. Appendix B summarizes the sources that were modeled for the HRA.

3.2 EMISSION ESTIMATES

The Proposed Project will emit DPM emissions from delivery truck idling during cement loading; delivery truck movements, payloaders moving cementitious materials in the warehouse; and payloaders during cleanout of cementitious materials in ocean-going vessel hulls. The Proposed Project will also emit DPM from over-water movements, such as boilers and auxiliary engines on ocean-going vessels and assist tugs. Although the main engines on ocean-going vessels use heavier fuel oils and do not use diesel fuel, DPM was used to substitute emissions from main engines in ocean-going vessels. This analysis follows the standard practice of using DPM to estimate risk from OGVs (CARB, 2006). The Proposed Project will emit metals emissions from cementitious materials from delivery truck loading, warehouse baghouses, and vacuum unloaders. The detailed emission rates for each source are provided in Appendix C. The emission calculations for each source are described below.

3.2.1 Diesel PM Emissions

Delivery Truck Idling and Movement Emissions

At maximum operation, the Proposed Project would be able to unload and distribute up to 600,000 MT of cementitious material annually. At full throughput, it is estimated that the facility would generate an estimated 24,000 round-trip truck trips per year. Based on maximum loading capabilities, the maximum number of round-trip truck trips from the Proposed Project site would be 16 trucks per hour, therefore the maximum hourly emission rate was based on 16 trucks. Emission factors were based T7- Tractors from the EMFAC2014 web database. The delivery truck fleet is a blend of 90% 5 years or newer and the remaining 10% is a standard fleet . Delivery truck idling emissions were modeled as two volume sources: one volume source for each of the proposed load racks. Delivery truck movement emissions were modeled as six line

area sources. The location and size of the area sources were based on the approximate width and length of the delivery path or area (see Figure 3).

Payloader Emissions - Warehouse

Emissions for payloaders were based on emission factors from Tier 4 non-road diesel emissions standards and the *U.S. EPA Exhaust and Crankcase Emission Factors for Nonroad Engine Model*, adjusted for rubber tire loaders. Warehouse operations of payloaders were based on four hours of operation per day, seven days per week, 50 weeks per year. Since payloader operations could occur any time of day, emissions were annualized over 8,760 hours. Maximum hourly emission rates were based on a full hour of operations. Payloader emissions from warehouse operations were modeled as four separate point sources because the emissions will be emitted from the four baghouse exhaust vents on top of the warehouse. The exhaust parameters were based on engineering estimates for the system design.

Payloader Emissions – Ocean-Going Vessel Cleanout

Emissions for payloaders were based on emission factors from Tier 4 non-road diesel emissions standards and the *U.S. EPA Exhaust and Crankcase Emission Factors for Nonroad Engine Model*, adjusted for rubber tire loaders. Ocean-going vessel cleanout operations of payloaders were based on two payloaders operating 24 hours per day for 24 ships per year. Since payloader operations could occur any time of year, emissions were annualized over 8,760 hours. Maximum hourly emission rates were based on a full hour of operations. The payloaders operate within the cargo bays, however, the emission from the cargo bays are channeled through to the warehouse, therefore, payloader emissions from cleanout operation were included in the four baghouse exhaust vents on top of the warehouse.

Over-Water Emissions

Emissions for OGVs and assist tugs are based on emission factors from various port emissions inventories (Starcrest, 2008, 2014, 2017). The annual emissions estimate for OGVs is based on 24 calls per year, with two assist tugs per call, and up to 4,032 hours of hoteling per year (average of 168 hours of hoteling per call). OGV movements assume 90% compliance with vessel speed reduction to 12 knots within 24 nautical miles of the coast and 50% cold ironing (shore power) during hoteling. The emissions from OGV are separated into 6 different sources. The transit of the OGV was modeled as two line volume sources for the main engines and boiler. The hoteling associated with an OGV call was modeled as two sets of two point sources: one set of auxiliary and boiler stacks at both berthing locations (Berth 10-7 and 10-8) used for dry bulk unloading. The emissions for the assist tugs were modeled as a line volume source. The location and size of the sources were based on the approximate width and length of the path or area (see Figure 3).

3.2.2 Metals Emissions from Cementitious Dust

Metal emissions from cementitious materials were not analyzed in the Final TAMT Program EIR, however, are included in this analysis. Metals emission factors from cementitious dust are based on speciation data from samples collected from locations were cement was previously

imported or potentially will be imported. All metals emissions are based on total particulate matter emissions for each source multiplied by the emission factor for each metal.

Delivery Truck Loading Emissions

As previously described, at maximum operation, the Proposed Project would be able to unload and distribute up to 600,000 MT of cementitious materials annually. At full throughput, it is estimated that the facility would generate an estimated 24,000 round-trip truck trips per year. Based on maximum loading capabilities, the maximum number of round-trip truck trips from the Proposed Project site would be 16 trucks per hour, therefore the maximum hourly emission rate was based on 8 trucks per lane. Emission factors were based on South Coast Air Quality Management District (SCAQMD) Rule 1158 and AP-42. Delivery truck loading emissions were modeled as two volume sources. One volume source for each of the proposed load racks. The location and size of the sources were based on the approximate width and length loading area (see Figure 3).

Warehouse Baghouse

Emissions for the warehouse baghouses are based on source tests on similar baghouses at another Mitsubishi Cement Corporation facility. Warehouse operations are based on 8,760 hours per year. Maximum hourly emission rates were based on a full hour of operations. Warehouse baghouse emissions are modeled as four separate point sources because the emissions will be emitted from the two baghouse exhaust vents on top of each side of warehouse. The exhaust parameters were based on engineering estimates for the system design.

Vacuum Unloaders

The Proposed Project could operate one or two vacuum unloaders. However, vacuum unloader will operate in one area and emissions are based on total throughput, therefore, the vacuum unloading emissions were modeled as one area source. Emissions for the vacuum unloader are based on manufacture specifications. Vacuum unloading operations are based on 4,032 hours per year. Since vacuum unloading operations could occur any time of day, emissions were annualized over 8,760 hours. Maximum hourly emission rates were based on a full hour of operations. The location and size of the source was based on the approximate width and length of the unloading area (see Figure 3).

3.3 AIR QUALITY MODELING

3.3.1 Air Quality and Risk Model

Air quality modeling was conducted for all emission sources from the Proposed Project. A total of 20 sources were modeled for the Proposed Project and 13 sources were modeled for the Proposed Project without metals. The California Air Resources Board (CARB) Hotspots Analysis Reporting Program (HARP2) model is the most appropriate model for determining the air quality impact from the Proposed Project. The HARP2 model (CARB, 2015) combines the American Meteorological Society and Environmental Protection Agency Regulatory Model

(AERMOD) with a risk calculation model based on the 2015 Air Toxics Hot Spots Program Risk Assessment Guidelines (OEHHA, 2015). The HARP2 model allows AERMOD to be run independently and the results imported.

AERMOD (version 18081) was run outside of HARP2 and imported into the Air Dispersion and Risk Tool module of HARP2 (version 18159) for this HRA because running the AERMOD independently assures the latest version of AERMOD is used. AERMOD output plot files (*.plt), can be directly imported into HARP2. Importing the plot files populates the source parameter information and the unitized ground-level concentrations for each receptor location into the HARP2 model. The actual emissions for each source can then be input into the HARP2 model to generate the predicted ground-level concentrations for each receptor location. Once the ground-level concentrations are calculated, HARP2 is able to calculate the risk. The risk estimation portion of the HARP2 model is discussed in Section 5**.**

3.3.2 Building Downwash

When point sources are located near or on buildings or structures, the dispersion of the plume can be influenced. The wake produced on the side of the structure can cause the plume to be pulled toward the ground near the structure resulting in higher concentrations. This is called building downwash. The effects of building downwash have been examined in this modeling analysis. AERMOD uses the EPA-approved Building Profile Input Program with Plume Rise Model Enhancements (BPIP-PRIME) to provide input for the downwash analysis. In the Proposed Project, the baghouse vent stacks are stationary point sources. The building downwash effects for these stacks are included in the model.

3.3.3 Meteorological Data

The Meteorological data for San Diego International Airport was used for wind and surface data. The San Diego International Airport data is the closest location for which meteorological data is available from CARB (https://www.arb.ca.gov/toxics/harp/metfiles2.htm).

3.3.4 Modeled Receptor Networks

All source and receptor locations were modeled with a Universal Transverse Mercator (UTM) coordinate system. The terrain surrounding the Proposed Project is relatively flat; however, the terrain elevations were included with the source receptors.

The receptors used in the HARP2 model included fenceline, worker receptors grid, and sensitive receptors that match the sensitive receptors in the Final TAMT Program EIR. The receptors were modeled at ground level. Figures 3 shows all modeled source locations and receptors. A list of receptor can be found in Appendix D.

3.3.4.1 Fenceline Receptors

The fenceline receptors (maximal spacing every 50 meters(m)) were used to determine the maximum concentrations at the property line of the Proposed Project facility.

3.3.4.2 Worker Receptors

A receptor grid for worker endpoints were modeled within 1,000 meters from the Proposed Project. Appendix D presents the worker receptors that were used, the associated location, and risk.

3.3.4.3 Sensitive Receptors

Receptors for residential and sensitive endpoints were modeled to match the receptor locations analyzed in the Final TAMT Program EIR. Appendix D presents the sensitive receptors that were used, the associated location, and risk.

3.4 EXPOSURE DURATION

Receptor exposures are based on four exposure scenarios including workers, residents, recreational, and schools potentially impacted by toxic air emissions. The exposure durations for each receptor type are described below.

3.4.1 Worker Receptors

Worker exposure duration is based on 8 hours per day, 350 days per year, for 25 years.

3.4.2 Residential Receptors

Risk assessment modeling for the residential exposure assumes a continuous lifetime exposure of 30 years duration. The underlying assumption is that the residential population remains at one point for 24 hours per day, 350 days per year.

3.4.3 Recreational (Park) Receptors

Recreational (park) exposure duration is based on 2 hours per day, 350 days per year, for ages 0 through 9 and 16 through 21 (15 years).

3.4.4 School Receptors

School exposure duration is based on 6 hours per day, 180 days per year, for ages 2 through 11 (9 years).

3.4.5 Census Blocks

Exposed population risk (i.e., cancer burden) is usually limited to the one per one million impact zone by census block. Since the incremental risk from the Proposed Project is calculated to be less than that calculated in the Final TAMT Program EIR in residential areas, census blocks were not modeled.

4.0 HEALTH RISK ASSESSMENT MODEL

4.1 CARCINOGENIC HEALTH IMPACTS

The HRA modeling was performed using the HARP2 model. It incorporates the algorithms and recommendations found in the Air Toxics Hot Spots Program Risk Assessment Guidelines: The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA, 2015).

The HARP model requires data to be input, such as identification codes of modeled pollutants, receptor coordinates, population data, and peak 1-hour and annual emission rates. The model then generates ambient air concentrations and cancer risk estimates. In addition, the model also computes excess cancer burden for carcinogens and hazard indices (chronic and acute) for non-carcinogens.

The HRA provides worst-case estimates of potential public exposure to each TAC for which cancer risk is to be quantified or for which chronic and acute non-cancer effects are to be evaluated. Exposure may occur by single or multiple routes and the duration may vary.

The OEHHA Guidelines suggest that pathways such as inhalation, dermal absorption, crop ingestion, fish ingestion, soil ingestion, and mother's milk, as appropriate, be included in a risk assessment. Additionally, the OEHHA Guidelines provide algorithms for use in estimating exposures attributable to various pathways.

As discussed previously, receptor exposure durations are based on four exposure scenarios including workers, residents, parks, and schools impacted by toxic air emissions. The recommended OEHHA pathways were included in this HRA for each exposure scenario. The results were then determined based on land use at the receptor location.

Exposed population risk (i.e., cancer burden) is usually limited to the one per one million impact zone by census block. Since the incremental risk increase from the Proposed Project is calculated to be less than the risk presented in the Final TAMT Program EIR in residential areas, census blocks were not modeled.

4.2 NON-CARCINOGENIC HEALTH IMPACTS

In HRA analyses of non-carcinogenic health effects, it is generally assumed that a threshold exists below which no health impacts are expected. The substances evaluated in HRAs can produce health effects due to acute or chronic exposures, although the concentration required to produce such effects may vary greatly depending on the compound. The concept of a threshold is based on studies that indicate the body can tolerate exposure to some TACs at low levels of exposures.

The types of non-cancer health effects resulting from exposure to compounds vary according to the substance, the magnitude of exposure, and the period of exposure. These health effects

generally can be classified into acute exposures (short-term exposures) and chronic exposures (long-term exposures, generally years).

The potential for acute/chronic health effects is evaluated herein by comparing the Reference Exposure Levels (RELs) with ground-level concentration or dosage values developed by the HARP2 model. Ground-level concentration values are used for the inhalation pathway, and dosage values are used for the oral pathway. Exposure to contaminants at ground-level concentrations or doses below the RELs is not expected to result in health effects. The HRA compares the acute/chronic RELs to the Proposed Project's ground-level concentration and dosage at the maximum impact point for each pollutant.

Little data are available on the interaction of mixtures of compounds, their fate in the environment, and the overall effect on the human body. The cumulative effects of chemicals in the body can be synergistic, additive, or antagonistic. It is not possible to evaluate chemical mixtures for synergistic or antagonistic health effects because the data available are very limited.

The use of a hazard index approach has been applied as a guideline for reviewing the cumulative non-carcinogenic health impacts of a mixture of compounds. The hazard index approach assumes that the health effects of TAC mixtures are additive. It is calculated by dividing the estimated exposure (ground-level concentration for inhalation or dose for oral) to a given substance by the REL for that substance, and adding the results for each TAC evaluated as shown.

$$\text{Hazard Index}_{(\text{endpoint})} = \text{Sum of} \quad \frac{\text{Exposure}_i}{\text{Health Standard}_i}$$

Where: i = the number of pollutants reviewed

The calculated hazard index is for that combination of substances that exert their effect on the same target organs (endpoint). Therefore, a multi-pathway hazard index is calculated using all applicable exposure pathways (both inhalation and oral) and RELs for each endpoint. A hazard index is calculated for both acute and chronic health effects. The acute hazard index is based on the maximum 1-hour emissions and modeling results. The chronic hazard index is based on the annual average concentration and related air quality modeling results.

5.0 RISK CHARACTERIZATION

Section 5.1 reports the estimated cancer risk results for the Proposed Project sources and Section 5.2 reports the estimated non-cancer risk of the sources. The modeling output for the air dispersion and health risk can be found in Appendix E.

5.1 CANCER RISK FOR PROPOSED PROJECT

5.1.1 Maximum Exposed Individual Worker (MEIW)

Based on the air quality modeling and related assumptions, the Proposed Project's estimated cancer risk at the MEIW is 1.60×10^{-6} or about 1.6 per one million for all sources. The MEIW is based on a 25-year exposure period. The MEIW location (Receptor No. 1893: UTM coordinates 486000, 3617500) is at a dock southeast of the facility and is graphically shown in Figure 4.

The Final TAMT Program EIR did not specify a worker cancer risk for dry bulk operations, therefore, the incremental estimated cancer risk for the Proposed Project is assumed to be an incremental increase of 1.6 per million.

5.1.2 Maximum Exposed Individual Resident (MEIR)

Based on the air quality modeling and related assumptions, the Proposed Project's estimated cancer risk at the MEIR is $4..99 \times 10^{-6}$ or about 5.0 per million for all sources. The MEIR location (Receptor No. 669: UTM coordinates 485930.6, 3618425) north of the facility and is indicated graphically in Figure 4.

The cancer risk at the MEIR in the Final TAMT Program EIR is 19.8 per million. The cancer risk associated with the Proposed Project is less than the cancer risk presented in the Final TAMT Program EIR.

5.1.3 Maximum Exposed Sensitive Receptor

Based on the air quality modeling and related assumptions, the Proposed Project's estimated cancer risk at the maximum exposed sensitive receptor is at the MEIR, which is 4.99×10^{-6} or about 5.0 per million for all sources.

The cancer risk at the maximum exposed sensitive receptor in the Final TAMT Program EIR is 19.8 per million, which is at a residential receptor. The incremental cancer risk associated with the Proposed Project for the maximum exposed sensitive receptor is less than the cancer risk presented in the Final TAMT Program EIR.

5.2 NON-CARCINOGENIC HEALTH EFFECTS FOR PROPOSED PROJECT

5.2.1 Total Acute Non-cancer Health Hazard Index

The Proposed Project emits TACs, which may have acute health effects. The total acute non-cancer health hazard index for the Proposed Project operations is 0.11. The maximum location (Receptor No. 2063: UTM coordinates 485537.1, 3617658) is on the southern boundary of the facility and is indicated graphically in Figure 3.

5.2.2 Total Chronic Non-cancer Health Hazard Index

The Proposed Project emits TACs, which may have chronic health effects. The total chronic non-cancer health hazard index for the Proposed Project operations is 0.06. The maximum location (Receptor No. 1920: UTM coordinates 485800, 3617900) is at the rail yard just north of the facility and is indicated graphically in Figure 3.

5.2.3 8-hr Chronic Health Effects

All emissions sources are annualized and are expected to be emitted throughout the day. Therefore, the total chronic health hazard index conservatively estimates any 8-hr chronic health hazard effects from the operation of the Proposed Project.

5.3 CANCER RISK FOR PROPOSED PROJECT WITHOUT METALS

5.3.1 Maximum Exposed Individual Worker (MEIW)

Based on the air quality modeling and related assumptions, the Proposed Project without metals estimated cancer risk at the MEIW is 9.28×10^{-7} or about 0.9 per one million for all sources and is indicated graphically in Figure 5. The MEIW is based on a 25-year exposure period.

5.3.2 Maximum Exposed Individual Resident (MEIR)

Based on the air quality modeling and related assumptions, the Proposed Project without metals estimated cancer risk at the MEIR is 2.94×10^{-6} or about 2.9 per million for all sources and is indicated graphically in Figure 5. The MEIR risk was selected from the sensitive receptor grid that was zoned as residential.

5.3.3 Maximum Exposed Sensitive Receptor

Based on the air quality modeling and related assumptions, the Proposed Project without metals estimated cancer risk at the maximum exposed sensitive receptor is 2.94×10^{-6} or about 2.9 per million for all sources. The MEIR is also the maximum exposed sensitive receptor.

5.4 NON-CARCINOGENIC HEALTH EFFECTS FOR PROPOSED PROJECT WITHOUT METALS

5.4.1 Total Acute Non-cancer Health Hazard Index

The TACS associated with the Proposed Project include metals and DPM. The Proposed Project without metals would only include DPM, which does not have an acute health effect identified. Therefore, no acute health hazard index can be calculated.

5.4.2 Total Chronic Non-cancer Health Hazard Index

The Proposed Project without metals emits DPM, which may have chronic health effects. The total chronic non-cancer health hazard index for the Proposed Project operations is 0.003 and is indicated graphically in Figure 5.

5.4.3 8-hr Chronic Health Hazard Index

The TACS associated with the Proposed Project include metals and DPM. The Proposed Project without metals would only include DPM, which does not have an 8-hr chronic health effect identified. Additionally, DPM is expected to be emitted continuously for 24 hours. Therefore, calculating the 8-hr chronic health hazard index is not necessary.

6.0 CONCLUSION

Based on the health risk assessment results, the estimated cancer risks at the MEIW, MEIR, and maximum exposed sensitive receptors do not exceed the 10 x 10^{-6} or 10 per million thresholds. Further, the estimated the incremental cancer risk from the Proposed Project is calculated to be less than that calculated in the Final TAMT Program EIR in residential areas , and, therefore, no cancer burden calculation is required. The maximum hazard indices are below the 1.0 threshold. Therefore, the incremental changes in cancer and non-cancer health effects from the Proposed Project are less than significant. Furthermore, the Proposed Project health risks, both with and without metals, are less than those analyzed in the Final TAMT Program EIR for cancer risk and will not change the significance determination for chronic health risk presented in the TAMT EIR for dry bulk operations.

7.0 REFERENCES

OEHHA, 2015. *Air Toxics Hot Spots Program Risk Assessment` Guidelines: The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessment*, March 2015.

CARB, 2006. *Diesel Particulate Matter Exposure Assessment Study for the Ports of Los Angeles and Long Beach,* April 2006.

CARB, 2015. *User's Manual for the Hotspots Analysis and Reporting Program Air Dispersion Modeling and Risk Assessment Tool Version 2* (HARP2 Version 17052) and resources, https://www.arb.ca.gov/toxics/harp/docs2/harp2admrtuserguide.pdf, updated February 2017.

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FIGURES

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Environmental Audit, Inc.

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REGIONAL MAP
645 Switzer Street
San Diego, CA 92101

Project No. 2698

Figure 1

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Environmental Audit, Inc.

N

AERIAL SITE PLAN
645 Switzer Street
San Diego, CA 92101

Project No. 2698

Figure 2

N:\2698\Impacts\Aerial Site Plan.cdr

Environmental Audit, Inc.

SOURCE LOCATIONS AND RECEPTORS
645 Switzer Street
San Diego, CA 92101

Project No. 2698

Figure 3

N:\2698\Source Locations and Receptors (rev.4).cdr

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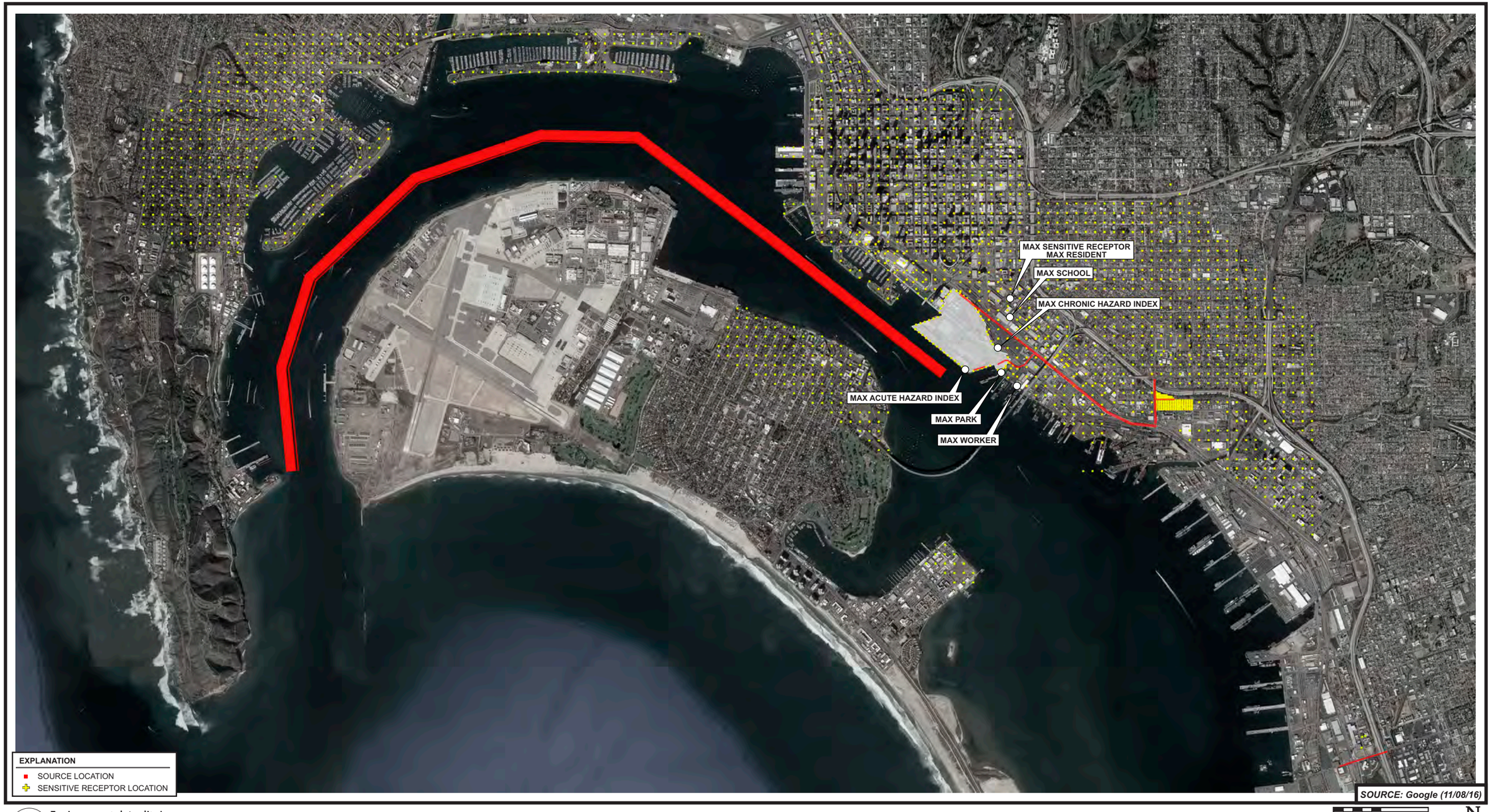


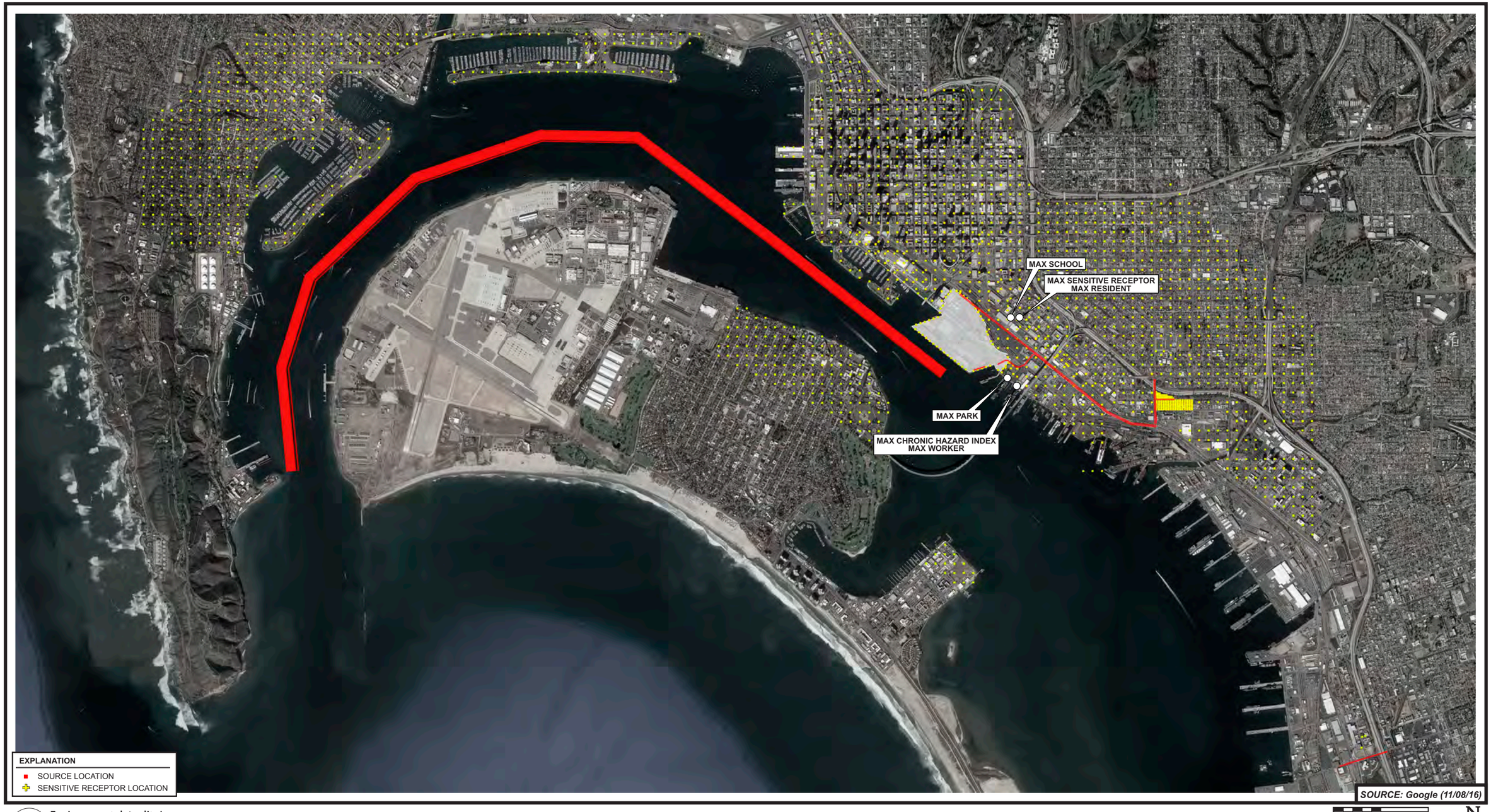
Environmental Audit, Inc.

MAXIMUM HEALTH RISK WITH METALS
645 Switzer Street
San Diego, CA 92101

Project No. 2698

Figure 4

N:\2698\Max Health Risk with Metals (rev.1).cdr



Environmental Audit, Inc.

MAXIMUM HEALTH RISK WITHOUT METALS
645 Switzer Street
San Diego, CA 92101

Project No. 2698

Figure 5

N:\2698\Max Health Risk without Metals (rev.1).cdr

APPENDIX A

Final TAMT Program EIR Health Risk for Dry Bulk

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2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	485930.6	3618425	6.9E-03	1.4E-03	9.6E-05	1.1E-02	4.1E-04	2.6E-02	3.5E-07	8.6E-06	0	9.4E-06	1.4E-06	1.98E-05	19.8	0.005207
residential	486030.6	3618325	8.0E-03	1.3E-03	9.4E-05	1.0E-02	4.8E-04	2.6E-02	3.5E-07	8.4E-06	0	9.3E-06	1.4E-06	1.94E-05	19.4	0.005115
residential	486130.6	3618225	8.2E-03	1.2E-03	9.0E-05	8.5E-03	5.5E-04	2.3E-02	3.2E-07	7.7E-06	0	8.5E-06	1.3E-06	1.77E-05	17.7	0.004673
residential	486030.6	3618425	7.3E-03	1.3E-03	9.2E-05	9.0E-03	3.6E-04	2.3E-02	3.1E-07	7.6E-06	0	8.3E-06	1.3E-06	1.75E-05	17.5	0.004601
residential	485930.6	3618525	6.2E-03	1.4E-03	9.4E-05	1.0E-02	3.1E-04	2.3E-02	3.1E-07	7.5E-06	0	8.2E-06	1.2E-06	1.72E-05	17.2	0.004538
residential	486230.6	3618025	7.2E-03	1.2E-03	8.4E-05	7.6E-03	9.4E-04	2.2E-02	3E-07	7.2E-06	0	7.9E-06	1.2E-06	1.66E-05	16.6	0.004369
residential	486130.6	3618325	7.9E-03	1.2E-03	8.9E-05	7.9E-03	4.1E-04	2.2E-02	3E-07	7.2E-06	0	7.9E-06	1.2E-06	1.65E-05	16.5	0.004356
residential	485830.6	3618625	5.2E-03	1.5E-03	9.9E-05	1.0E-02	2.5E-04	2.1E-02	2.8E-07	6.9E-06	0	7.5E-06	1.1E-06	1.58E-05	15.8	0.004171
residential	486030.6	3618525	6.6E-03	1.3E-03	8.9E-05	8.2E-03	2.8E-04	2.1E-02	2.8E-07	6.8E-06	0	7.5E-06	1.1E-06	1.58E-05	15.8	0.00415
residential	486230.6	3618125	7.3E-03	1.2E-03	8.4E-05	7.2E-03	6.4E-04	2.1E-02	2.8E-07	6.8E-06	0	7.5E-06	1.1E-06	1.57E-05	15.7	0.004147
residential	486130.6	3618425	7.4E-03	1.2E-03	8.8E-05	7.2E-03	3.2E-04	2.0E-02	2.8E-07	6.7E-06	0	7.3E-06	1.1E-06	1.54E-05	15.4	0.004053
residential	485930.6	3618625	5.7E-03	1.4E-03	9.3E-05	8.8E-03	2.4E-04	2.0E-02	2.7E-07	6.6E-06	0	7.2E-06	1.1E-06	1.52E-05	15.2	0.003995
residential	486330.6	3617925	7.3E-03	1.1E-03	7.9E-05	6.5E-03	8.7E-04	2.0E-02	2.7E-07	6.6E-06	0	7.2E-06	1.1E-06	1.51E-05	15.1	0.003989
residential	486230.6	3618225	7.5E-03	1.2E-03	8.4E-05	6.7E-03	4.7E-04	2.0E-02	2.7E-07	6.5E-06	0	7.1E-06	1.1E-06	1.5E-05	15.0	0.003939
residential	486422.2	3617812	8.6E-03	1.1E-03	7.4E-05	5.7E-03	8.8E-04	1.9E-02	2.7E-07	6.4E-06	0	7.1E-06	1.1E-06	1.48E-05	14.8	0.003898
residential	486430.6	3617825	8.4E-03	1.1E-03	7.4E-05	5.6E-03	8.1E-04	1.9E-02	2.6E-07	6.3E-06	0	6.9E-06	1.1E-06	1.45E-05	14.5	0.003819
residential	486474.2	3617772	9.0E-03	1.1E-03	7.1E-05	5.2E-03	8.5E-04	1.9E-02	2.6E-07	6.2E-06	0	6.9E-06	1E-06	1.44E-05	14.4	0.003785
residential	486130.6	3618525	6.8E-03	1.2E-03	8.5E-05	6.8E-03	2.6E-04	1.9E-02	2.6E-07	6.2E-06	0	6.8E-06	1E-06	1.43E-05	14.3	0.003775
residential	486230.6	3618325	7.5E-03	1.2E-03	8.3E-05	6.2E-03	3.6E-04	1.9E-02	2.5E-07	6.2E-06	0	6.8E-06	1E-06	1.42E-05	14.2	0.003747
residential	486030.6	3618625	6.1E-03	1.3E-03	8.9E-05	7.4E-03	2.3E-04	1.9E-02	2.5E-07	6.1E-06	0	6.8E-06	1E-06	1.42E-05	14.2	0.003744
residential	486330.6	3618025	6.7E-03	1.1E-03	7.9E-05	6.2E-03	6.8E-04	1.9E-02	2.5E-07	6.1E-06	0	6.8E-06	1E-06	1.42E-05	14.2	0.003736
residential	486517.8	3617736	9.2E-03	1.0E-03	6.9E-05	4.8E-03	8.2E-04	1.8E-02	2.5E-07	6E-06	0	6.7E-06	1E-06	1.4E-05	14.0	0.003681
residential	486530.6	3617725	9.2E-03	1.0E-03	6.9E-05	4.7E-03	8.2E-04	1.8E-02	2.5E-07	6E-06	0	6.6E-06	1E-06	1.39E-05	13.9	0.003651
residential	485830.6	3618725	4.8E-03	1.4E-03	9.8E-05	8.8E-03	1.9E-04	1.8E-02	2.5E-07	6E-06	0	6.6E-06	1E-06	1.38E-05	13.8	0.00363
residential	486544.7	3617711	9.3E-03	1.0E-03	6.8E-05	4.6E-03	8.2E-04	1.8E-02	2.5E-07	5.9E-06	0	6.6E-06	1E-06	1.37E-05	13.7	0.003619
residential	486456.5	3617863	7.7E-03	1.1E-03	7.3E-05	5.4E-03	6.4E-04	1.8E-02	2.4E-07	5.9E-06	0	6.5E-06	9.9E-07	1.37E-05	13.7	0.003597
residential	486230.6	3618425	7.2E-03	1.2E-03	8.3E-05	5.9E-03	2.9E-04	1.8E-02	2.4E-07	5.9E-06	0	6.5E-06	9.8E-07	1.36E-05	13.6	0.003574
residential	485930.6	3618725	5.3E-03	1.4E-03	9.2E-05	7.8E-03	1.9E-04	1.8E-02	2.4E-07	5.8E-06	0	6.4E-06	9.8E-07	1.35E-05	13.5	0.003549
residential	486330.6	3618125	6.7E-03	1.1E-03	7.9E-05	5.8E-03	5.2E-04	1.8E-02	2.4E-07	5.8E-06	0	6.4E-06	9.7E-07	1.34E-05	13.4	0.003537
residential	486498.3	3617831	8.0E-03	1.0E-03	7.1E-05	5.0E-03	6.3E-04	1.8E-02	2.4E-07	5.8E-06	0	6.4E-06	9.7E-07	1.34E-05	13.4	0.003528
residential	486430.6	3617925	7.1E-03	1.1E-03	7.4E-05	5.5E-03	5.9E-04	1.8E-02	2.4E-07	5.8E-06	0	6.4E-06	9.7E-07	1.34E-05	13.4	0.003526
residential	484530.6	3617425	6.1E-03	2.3E-03	1.8E-04	7.7E-03	9.1E-05	1.8E-02	2.4E-07	5.8E-06	0	6.4E-06	9.7E-07	1.34E-05	13.4	0.003518
residential	486555.9	3617784	8.3E-03	1.0E-03	6.9E-05	4.6E-03	6.1E-04	1.7E-02	2.3E-07	5.6E-06	0	6.2E-06	9.5E-07	1.3E-05	13.0	0.003435
residential	486530.6	3617825	7.9E-03	1.0E-03	7.0E-05	4.8E-03	5.8E-04	1.7E-02	2.3E-07	5.6E-06	0	6.2E-06	9.4E-07	1.3E-05	13.0	0.003425
residential	486630.6	3617625	9.3E-03	9.6E-04	6.4E-05	3.9E-03	8.5E-04	1.7E-02	2.3E-07	5.6E-06	0	6.2E-06	9.4E-07	1.29E-05	12.9	0.003398
residential	486330.6	3618225	6.9E-03	1.1E-03	7.9E-05	5.4E-03	4.0E-04	1.7E-02	2.3E-07	5.6E-06	0	6.1E-06	9.3E-07	1.28E-05	12.8	0.003384
residential	486030.6	3618725	5.6E-03	1.3E-03	8.9E-05	6.7E-03	1.8E-04	1.7E-02	2.3E-07	5.5E-06	0	6.1E-06	9.3E-07	1.28E-05	12.8	0.003378
residential	486607.9	3617745	8.5E-03	9.8E-04	6.7E-05	4.3E-03	5.9E-04	1.7E-02	2.3E-07	5.5E-06	0	6E-06	9.2E-07	1.26E-05	12.6	0.00333
residential	486630.6	3617725	8.5E-03	9.7E-04	6.6E-05	4.1E-03	5.9E-04	1.6E-02	2.2E-07	5.4E-06	0	5.9E-06	9E-07	1.25E-05	12.5	0.003287
residential	486430.6	3618025	6.4E-03	1.1E-03	7.5E-05	5.2E-03	4.9E-04	1.6E-02	2.2E-07	5.4E-06	0	5.9E-06	9E-07	1.25E-05	12.5	0.003286
residential	486330.6	3618325	7.0E-03	1.1E-03	7.8E-05	5.1E-03	3.2E-04	1.6E-02	2.2E-07	5.4E-06	0	5.9E-06	9E-07	1.24E-05	12.4	0.003263
residential	486230.6	3618625	6.4E-03	1.2E-03	8.1E-05	5.3E-03	2.0E-04	1.6E-02	2.2E-07	5.3E-06	0	5.8E-06	8.8E-07	1.22E-05	12.2	0.003204
residential	485830.6	3618825	4.5E-03	1.4E-03	9.6E-05	7.4E-03	1.5E-04	1.6E-02	2.2E-07	5.2E-06	0	5.8E-06	8.7E-07	1.21E-05	12.1	0.003177
residential	484430.6	3617525	5.3E-03	2.5E-03	1.9E-04	6.7E-03	7.8E-05	1.6E-02	2.2E-07	5.2E-06	0	5.7E-06	8.7E-07	1.21E-05	12.1	0.003176
residential	486530.6	3617925	6.8E-03	1.0E-03	7.1E-05	4.7E-03	4.5E-04	1.6E-02	2.2E-07	5.2E-06	0	5.7E-06	8.7E-07	1.2E-05	12.0	0.00317
residential	485930.6	3618825	4.9E-03	1.3E-03	9.1E-05	6.8E-03	1.6E-04	1.6E-02	2.1E-07	5.2E-06	0	5.7E-06	8.7E-07	1.2E-05	12.0	0.003156
residential	484430.6	3617625	5.0E-03	2.7E-03	2.1E-04	6.7E-03	7.4E-05	1.6E-02	2.1E-07	5.2E-06	0	5.7E-06	8.7E-07	1.2E-05	12.0	0.003155
residential	487529.5	3617347	5.5E-03	6.8E-04	4.3E-05	1.6E-03	7.3E-03	1.6E-02	2.1E-07	5.2E-06	0	5.7E-06	8.7E-07	1.2E-05	12.0	0.003152
residential	487554.5	3617347	5.4E-03	6.7E-04	4.3E-05	1.6E-03	7.3E-03	1.6E-02	2.1E-07	5.2E-06	0	5.7E-06	8.7E-07	1.19E-05	11.9	0.003148
residential	487579.5	3617347	5.3E-03	6.7E-04	4.2E-05	1.5E-03	7.4E-03	1.6E-02	2.1E-07	5.1E-06	0	5.7E-06	8.6E-07	1.19E-05	11.9	0.00313
residential	487504.5	3617347	5.5E-03	6.8E-04	4.3E-05	1.6E-03	7.0E-03	1.6E-02	2.1E-07	5.1E-06	0	5.6E-06	8.6E-07	1.18E-05	11.8	0.003119

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	486430.6	3618125	6.2E-03	1.1E-03	7.5E-05	4.8E-03	4.2E-04	1.5E-02	2.1E-07	5.1E-06	0	5.6E-06	8.5E-07	1.18E-05	11.8	0.003099
residential	486630.6	3617825	7.5E-03	9.8E-04	6.7E-05	4.2E-03	4.5E-04	1.5E-02	2.1E-07	5.1E-06	0	5.6E-06	8.5E-07	1.18E-05	11.8	0.003096
residential	486730.6	3617525	8.9E-03	9.0E-04	5.9E-05	3.2E-03	9.1E-04	1.5E-02	2.1E-07	5.1E-06	0	5.6E-06	8.5E-07	1.17E-05	11.7	0.003095
residential	487604.5	3617347	5.2E-03	6.6E-04	4.2E-05	1.5E-03	7.3E-03	1.5E-02	2.1E-07	5.1E-06	0	5.6E-06	8.5E-07	1.17E-05	11.7	0.003092
residential	486730.6	3617625	8.6E-03	9.2E-04	6.1E-05	3.5E-03	5.9E-04	1.5E-02	2.1E-07	5.1E-06	0	5.6E-06	8.5E-07	1.17E-05	11.7	0.003077
residential	486030.6	3618825	5.2E-03	1.2E-03	8.8E-05	6.0E-03	1.5E-04	1.5E-02	2.1E-07	5E-06	0	5.5E-06	8.4E-07	1.16E-05	11.6	0.003059
residential	486330.6	3618525	6.7E-03	1.1E-03	7.7E-05	4.6E-03	2.2E-04	1.5E-02	2.1E-07	5E-06	0	5.5E-06	8.4E-07	1.16E-05	11.6	0.003045
residential	487629.5	3617347	5.2E-03	6.6E-04	4.2E-05	1.5E-03	7.0E-03	1.5E-02	2E-07	4.9E-06	0	5.5E-06	8.3E-07	1.14E-05	11.4	0.003012
residential	486730.6	3617725	7.9E-03	9.3E-04	6.3E-05	3.6E-03	4.6E-04	1.5E-02	2E-07	4.9E-06	0	5.4E-06	8.2E-07	1.13E-05	11.3	0.002986
residential	486430.6	3618225	6.3E-03	1.1E-03	7.4E-05	4.5E-03	3.4E-04	1.5E-02	2E-07	4.9E-06	0	5.4E-06	8.2E-07	1.12E-05	11.2	0.002962
residential	486230.6	3618725	6.1E-03	1.1E-03	8.0E-05	4.7E-03	1.6E-04	1.5E-02	2E-07	4.9E-06	0	5.3E-06	8.1E-07	1.12E-05	11.2	0.002955
residential	486530.6	3618025	6.1E-03	1.0E-03	7.1E-05	4.4E-03	3.8E-04	1.5E-02	2E-07	4.8E-06	0	5.3E-06	8.1E-07	1.12E-05	11.2	0.002942
residential	486330.6	3618625	6.4E-03	1.1E-03	7.6E-05	4.5E-03	1.9E-04	1.5E-02	2E-07	4.8E-06	0	5.3E-06	8.1E-07	1.11E-05	11.1	0.002937
residential	487479.5	3617347	5.6E-03	6.9E-04	4.3E-05	1.6E-03	5.9E-03	1.5E-02	2E-07	4.8E-06	0	5.3E-06	8.1E-07	1.11E-05	11.1	0.002927
residential	484330.6	3617525	5.0E-03	2.4E-03	1.8E-04	5.7E-03	6.9E-05	1.4E-02	2E-07	4.7E-06	0	5.2E-06	7.9E-07	1.09E-05	10.9	0.002871
residential	486630.6	3617925	6.5E-03	9.8E-04	6.8E-05	4.0E-03	3.6E-04	1.4E-02	2E-07	4.7E-06	0	5.2E-06	7.9E-07	1.09E-05	10.9	0.002871
residential	487529.8	3617363	5.5E-03	6.8E-04	4.3E-05	1.6E-03	5.7E-03	1.4E-02	1.9E-07	4.7E-06	0	5.1E-06	7.8E-07	1.08E-05	10.8	0.00284
residential	487548.3	3617363	5.4E-03	6.8E-04	4.3E-05	1.6E-03	5.7E-03	1.4E-02	1.9E-07	4.7E-06	0	5.1E-06	7.8E-07	1.08E-05	10.8	0.002834
residential	484330.6	3617625	4.7E-03	2.6E-03	2.0E-04	5.6E-03	6.6E-05	1.4E-02	1.9E-07	4.6E-06	0	5.1E-06	7.8E-07	1.07E-05	10.7	0.002824
residential	487511.3	3617363	5.5E-03	6.8E-04	4.3E-05	1.6E-03	5.5E-03	1.4E-02	1.9E-07	4.6E-06	0	5.1E-06	7.8E-07	1.07E-05	10.7	0.002823
residential	486830.6	3617525	8.3E-03	8.7E-04	5.7E-05	2.9E-03	6.1E-04	1.4E-02	1.9E-07	4.6E-06	0	5.1E-06	7.8E-07	1.07E-05	10.7	0.002823
residential	486730.6	3617825	7.0E-03	9.3E-04	6.4E-05	3.6E-03	3.6E-04	1.4E-02	1.9E-07	4.6E-06	0	5.1E-06	7.8E-07	1.07E-05	10.7	0.002818
residential	487566.8	3617363	5.3E-03	6.7E-04	4.3E-05	1.6E-03	5.7E-03	1.4E-02	1.9E-07	4.6E-06	0	5.1E-06	7.8E-07	1.07E-05	10.7	0.002818
residential	486830.6	3617625	8.0E-03	8.8E-04	5.9E-05	3.1E-03	4.6E-04	1.4E-02	1.9E-07	4.6E-06	0	5.1E-06	7.8E-07	1.07E-05	10.7	0.002816
residential	485930.6	3618925	4.6E-03	1.3E-03	9.0E-05	5.9E-03	1.3E-04	1.4E-02	1.9E-07	4.6E-06	0	5.1E-06	7.8E-07	1.07E-05	10.7	0.002816
residential	487585.3	3617363	5.3E-03	6.7E-04	4.3E-05	1.5E-03	5.7E-03	1.4E-02	1.9E-07	4.6E-06	0	5.1E-06	7.7E-07	1.06E-05	10.6	0.002803
residential	486430.6	3618425	6.6E-03	1.0E-03	7.3E-05	4.0E-03	2.4E-04	1.4E-02	1.9E-07	4.6E-06	0	5.1E-06	7.7E-07	1.06E-05	10.6	0.0028
residential	485830.6	3618925	4.2E-03	1.4E-03	9.4E-05	6.3E-03	1.2E-04	1.4E-02	1.9E-07	4.6E-06	0	5.1E-06	7.7E-07	1.06E-05	10.6	0.0028
residential	487603.8	3617363	5.2E-03	6.7E-04	4.2E-05	1.5E-03	5.7E-03	1.4E-02	1.9E-07	4.6E-06	0	5E-06	7.6E-07	1.05E-05	10.5	0.002777
residential	486330.6	3618725	6.2E-03	1.1E-03	7.6E-05	4.1E-03	1.6E-04	1.4E-02	1.9E-07	4.5E-06	0	5E-06	7.6E-07	1.05E-05	10.5	0.002761
residential	486530.6	3618125	5.9E-03	1.0E-03	7.1E-05	4.0E-03	3.3E-04	1.4E-02	1.9E-07	4.5E-06	0	5E-06	7.6E-07	1.04E-05	10.4	0.002753
residential	484330.6	3617725	4.3E-03	2.8E-03	2.3E-04	5.3E-03	6.2E-05	1.4E-02	1.9E-07	4.5E-06	0	5E-06	7.6E-07	1.04E-05	10.4	0.002752
residential	486030.6	3618925	4.8E-03	1.2E-03	8.7E-05	5.4E-03	1.3E-04	1.4E-02	1.9E-07	4.5E-06	0	5E-06	7.6E-07	1.04E-05	10.4	0.002749
residential	486430.6	3618525	6.4E-03	1.0E-03	7.3E-05	3.9E-03	2.0E-04	1.4E-02	1.9E-07	4.5E-06	0	5E-06	7.6E-07	1.04E-05	10.4	0.002749
residential	486230.6	3618825	5.8E-03	1.1E-03	7.9E-05	4.4E-03	1.4E-04	1.4E-02	1.9E-07	4.5E-06	0	5E-06	7.6E-07	1.04E-05	10.4	0.002743
residential	487492.8	3617363	5.6E-03	6.9E-04	4.3E-05	1.6E-03	5.0E-03	1.4E-02	1.9E-07	4.5E-06	0	5E-06	7.6E-07	1.04E-05	10.4	0.002743
residential	487654.5	3617347	5.1E-03	6.5E-04	4.2E-05	1.5E-03	5.7E-03	1.4E-02	1.9E-07	4.5E-06	0	5E-06	7.5E-07	1.04E-05	10.4	0.002741
residential	487622.3	3617363	5.2E-03	6.6E-04	4.2E-05	1.5E-03	5.6E-03	1.4E-02	1.9E-07	4.5E-06	0	5E-06	7.5E-07	1.04E-05	10.4	0.002736
residential	486830.6	3617725	7.4E-03	8.9E-04	6.1E-05	3.2E-03	3.7E-04	1.4E-02	1.9E-07	4.5E-06	0	4.9E-06	7.5E-07	1.04E-05	10.4	0.002731
residential	486430.6	3618625	6.2E-03	1.0E-03	7.2E-05	3.8E-03	1.8E-04	1.3E-02	1.8E-07	4.4E-06	0	4.8E-06	7.4E-07	1.02E-05	10.2	0.002674
residential	487640.8	3617363	5.1E-03	6.6E-04	4.2E-05	1.5E-03	5.3E-03	1.3E-02	1.8E-07	4.4E-06	0	4.8E-06	7.3E-07	1.01E-05	10.1	0.002668
residential	485330.6	3618725	2.7E-03	1.9E-03	1.4E-04	7.3E-03	5.4E-05	1.3E-02	1.8E-07	4.4E-06	0	4.8E-06	7.3E-07	1.01E-05	10.1	0.002663
residential	486630.6	3618025	5.8E-03	9.8E-04	6.8E-05	3.8E-03	3.0E-04	1.3E-02	1.8E-07	4.4E-06	0	4.8E-06	7.3E-07	1.01E-05	10.1	0.002659
residential	484230.6	3617325	5.3E-03	2.0E-03	1.4E-04	4.9E-03	6.8E-05	1.3E-02	1.8E-07	4.4E-06	0	4.8E-06	7.3E-07	1.01E-05	10.1	0.002652
residential	484230.6	3617425	5.0E-03	2.2E-03	1.6E-04	4.9E-03	6.5E-05	1.3E-02	1.8E-07	4.3E-06	0	4.8E-06	7.3E-07	1E-05	10.0	0.002642
residential	485230.6	3618625	2.6E-03	2.1E-03	1.6E-04	7.0E-03	4.7E-05	1.3E-02	1.8E-07	4.3E-06	0	4.8E-06	7.2E-07	9.97E-06	10.0	0.002627
residential	484230.6	3617525	4.7E-03	2.3E-03	1.7E-04	4.9E-03	6.2E-05	1.3E-02	1.8E-07	4.3E-06	0	4.7E-06	7.2E-07	9.9E-06	9.9	0.002609
residential	486930.6	3617525	7.7E-03	8.4E-04	5.5E-05	2.7E-03	4.7E-04	1.3E-02	1.8E-07	4.3E-06	0	4.7E-06	7.2E-07	9.9E-06	9.9	0.002608
residential	486730.6	3617925	6.3E-03	9.2E-04	6.5E-05	3.4E-03	2.9E-04	1.3E-02	1.8E-07	4.3E-06	0	4.7E-06	7.2E-07	9.9E-06	9.9	0.002607
residential	486930.6	3617625	7.4E-03	8.5E-04	5.7E-05	2.8E-03	3.8E-04	1.3E-02	1.8E-07	4.3E-06	0	4.7E-06	7.1E-07	9.84E-06	9.8	0.002593
residential	486330.6	3618825	6.0E-03	1.0E-03	7.4E-05	3.7E-03	1.3E-04	1.3E-02	1.8E-07	4.2E-06	0	4.7E-06	7.1E-07	9.8E-06	9.8	0.002582

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	486830.6	3617825	6.6E-03	8.9E-04	6.2E-05	3.2E-03	3.0E-04	1.3E-02	1.8E-07	4.2E-06	0	4.7E-06	7.1E-07	9.79E-06	9.8	0.00258
residential	486430.6	3618725	6.1E-03	1.0E-03	7.1E-05	3.6E-03	1.5E-04	1.3E-02	1.7E-07	4.2E-06	0	4.7E-06	7.1E-07	9.76E-06	9.8	0.002571
residential	485430.6	3618825	2.9E-03	1.7E-03	1.3E-04	6.8E-03	6.8E-05	1.3E-02	1.7E-07	4.2E-06	0	4.6E-06	7.1E-07	9.75E-06	9.7	0.002568
residential	486930.6	3617425	7.7E-03	8.2E-04	5.3E-05	2.4E-03	6.4E-04	1.3E-02	1.7E-07	4.2E-06	0	4.6E-06	7E-07	9.72E-06	9.7	0.00256
residential	486530.6	3618325	6.0E-03	1.0E-03	7.0E-05	3.5E-03	2.5E-04	1.3E-02	1.7E-07	4.2E-06	0	4.6E-06	7E-07	9.69E-06	9.7	0.002554
residential	484230.6	3617625	4.4E-03	2.5E-03	1.9E-04	4.7E-03	5.9E-05	1.3E-02	1.7E-07	4.2E-06	0	4.6E-06	7E-07	9.69E-06	9.7	0.002553
residential	486230.6	3618925	5.3E-03	1.1E-03	7.8E-05	4.2E-03	1.2E-04	1.3E-02	1.7E-07	4.2E-06	0	4.6E-06	7E-07	9.69E-06	9.7	0.002552
residential	485930.6	3619025	4.2E-03	1.3E-03	8.8E-05	5.1E-03	1.1E-04	1.3E-02	1.7E-07	4.1E-06	0	4.5E-06	6.9E-07	9.54E-06	9.5	0.002513
residential	486930.6	3617725	6.9E-03	8.5E-04	5.8E-05	2.9E-03	3.1E-04	1.3E-02	1.7E-07	4.1E-06	0	4.5E-06	6.9E-07	9.53E-06	9.5	0.002511
residential	486530.6	3618425	6.1E-03	1.0E-03	6.9E-05	3.4E-03	2.2E-04	1.3E-02	1.7E-07	4.1E-06	0	4.5E-06	6.9E-07	9.53E-06	9.5	0.00251
residential	486030.6	3619025	4.5E-03	1.2E-03	8.5E-05	4.8E-03	1.1E-04	1.2E-02	1.7E-07	4.1E-06	0	4.5E-06	6.9E-07	9.47E-06	9.5	0.002496
residential	485830.6	3619025	4.0E-03	1.3E-03	9.3E-05	5.3E-03	9.9E-05	1.2E-02	1.7E-07	4.1E-06	0	4.5E-06	6.8E-07	9.41E-06	9.4	0.002479
residential	486530.6	3618525	6.1E-03	9.9E-04	6.9E-05	3.3E-03	1.9E-04	1.2E-02	1.7E-07	4.1E-06	0	4.5E-06	6.8E-07	9.41E-06	9.4	0.002478
residential	484230.6	3617725	4.1E-03	2.7E-03	2.1E-04	4.5E-03	5.5E-05	1.2E-02	1.7E-07	4.1E-06	0	4.5E-06	6.8E-07	9.39E-06	9.4	0.002473
residential	484130.6	3617325	4.9E-03	2.0E-03	1.4E-04	4.3E-03	6.2E-05	1.2E-02	1.7E-07	4E-06	0	4.4E-06	6.7E-07	9.28E-06	9.3	0.002446
residential	484130.6	3617225	5.1E-03	1.9E-03	1.3E-04	4.2E-03	6.4E-05	1.2E-02	1.7E-07	4E-06	0	4.4E-06	6.7E-07	9.26E-06	9.3	0.002439
residential	486430.6	3618825	6.0E-03	9.8E-04	7.0E-05	3.2E-03	1.2E-04	1.2E-02	1.7E-07	4E-06	0	4.4E-06	6.7E-07	9.25E-06	9.2	0.002436
residential	486530.6	3618625	6.0E-03	9.8E-04	6.8E-05	3.2E-03	1.6E-04	1.2E-02	1.7E-07	4E-06	0	4.4E-06	6.7E-07	9.25E-06	9.2	0.002436
residential	484130.6	3617425	4.7E-03	2.1E-03	1.5E-04	4.3E-03	5.9E-05	1.2E-02	1.7E-07	4E-06	0	4.4E-06	6.7E-07	9.22E-06	9.2	0.002429
residential	487030.6	3617525	7.2E-03	8.1E-04	5.3E-05	2.5E-03	3.9E-04	1.2E-02	1.6E-07	4E-06	0	4.4E-06	6.7E-07	9.19E-06	9.2	0.002422
residential	485530.6	3618925	3.1E-03	1.6E-03	1.1E-04	6.0E-03	7.5E-05	1.2E-02	1.6E-07	4E-06	0	4.4E-06	6.7E-07	9.17E-06	9.2	0.002417
residential	487474.3	3617363	5.6E-03	6.9E-04	4.4E-05	1.6E-03	3.3E-03	1.2E-02	1.6E-07	4E-06	0	4.4E-06	6.6E-07	9.17E-06	9.2	0.002415
residential	484130.6	3617125	5.2E-03	1.8E-03	1.2E-04	4.1E-03	6.5E-05	1.2E-02	1.6E-07	4E-06	0	4.4E-06	6.6E-07	9.16E-06	9.2	0.002413
residential	486330.6	3618925	5.7E-03	1.0E-03	7.2E-05	3.4E-03	1.1E-04	1.2E-02	1.6E-07	3.9E-06	0	4.4E-06	6.6E-07	9.13E-06	9.1	0.002405
residential	487030.6	3617625	6.9E-03	8.2E-04	5.5E-05	2.6E-03	3.2E-04	1.2E-02	1.6E-07	3.9E-06	0	4.3E-06	6.6E-07	9.11E-06	9.1	0.002401
residential	486830.6	3617925	5.9E-03	8.9E-04	6.2E-05	3.1E-03	2.5E-04	1.2E-02	1.6E-07	3.9E-06	0	4.3E-06	6.6E-07	9.11E-06	9.1	0.0024
residential	487529.5	3617328	5.5E-03	6.7E-04	4.3E-05	1.6E-03	3.5E-03	1.2E-02	1.6E-07	3.9E-06	0	4.3E-06	6.6E-07	9.11E-06	9.1	0.002399
residential	487504.5	3617328	5.5E-03	6.8E-04	4.3E-05	1.6E-03	3.4E-03	1.2E-02	1.6E-07	3.9E-06	0	4.3E-06	6.6E-07	9.09E-06	9.1	0.002395
residential	487656.4	3617366	5.1E-03	6.6E-04	4.2E-05	1.5E-03	4.0E-03	1.2E-02	1.6E-07	3.9E-06	0	4.3E-06	6.6E-07	9.09E-06	9.1	0.002394
residential	484130.6	3617525	4.4E-03	2.3E-03	1.7E-04	4.2E-03	5.6E-05	1.2E-02	1.6E-07	3.9E-06	0	4.3E-06	6.6E-07	9.07E-06	9.1	0.00239
residential	487030.6	3617425	7.3E-03	7.9E-04	5.1E-05	2.3E-03	5.0E-04	1.2E-02	1.6E-07	3.9E-06	0	4.3E-06	6.6E-07	9.07E-06	9.1	0.002388
residential	485730.6	3619025	3.6E-03	1.4E-03	9.9E-05	5.3E-03	8.7E-05	1.2E-02	1.6E-07	3.9E-06	0	4.3E-06	6.6E-07	9.06E-06	9.1	0.002387
residential	487554.5	3617328	5.4E-03	6.7E-04	4.2E-05	1.5E-03	3.6E-03	1.2E-02	1.6E-07	3.9E-06	0	4.3E-06	6.6E-07	9.05E-06	9.0	0.002384
residential	484230.6	3617825	3.8E-03	2.9E-03	2.4E-04	4.1E-03	5.1E-05	1.2E-02	1.6E-07	3.9E-06	0	4.3E-06	6.5E-07	9.03E-06	9.0	0.002379
residential	486930.6	3617825	6.3E-03	8.6E-04	5.9E-05	2.8E-03	2.6E-04	1.2E-02	1.6E-07	3.9E-06	0	4.3E-06	6.5E-07	9.02E-06	9.0	0.002376
residential	486530.6	3618725	5.9E-03	9.6E-04	6.8E-05	3.1E-03	1.4E-04	1.2E-02	1.6E-07	3.9E-06	0	4.3E-06	6.5E-07	9.01E-06	9.0	0.002374
residential	487479.5	3617328	5.6E-03	6.8E-04	4.3E-05	1.6E-03	3.1E-03	1.2E-02	1.6E-07	3.9E-06	0	4.3E-06	6.5E-07	8.97E-06	9.0	0.002363
residential	487579.5	3617328	5.3E-03	6.6E-04	4.2E-05	1.5E-03	3.5E-03	1.2E-02	1.6E-07	3.9E-06	0	4.3E-06	6.5E-07	8.94E-06	8.9	0.002354
residential	486230.6	3619025	5.0E-03	1.1E-03	7.6E-05	3.8E-03	1.1E-04	1.2E-02	1.6E-07	3.9E-06	0	4.3E-06	6.5E-07	8.92E-06	8.9	0.002349
residential	487030.6	3617725	6.4E-03	8.2E-04	5.6E-05	2.6E-03	2.7E-04	1.2E-02	1.6E-07	3.8E-06	0	4.2E-06	6.4E-07	8.82E-06	8.8	0.002322
residential	484130.6	3617625	4.1E-03	2.4E-03	1.8E-04	4.0E-03	5.3E-05	1.2E-02	1.6E-07	3.8E-06	0	4.2E-06	6.4E-07	8.81E-06	8.8	0.002321
residential	487030.6	3617325	7.1E-03	7.7E-04	4.8E-05	2.0E-03	7.2E-04	1.2E-02	1.6E-07	3.8E-06	0	4.2E-06	6.4E-07	8.81E-06	8.8	0.00232
residential	487604.5	3617328	5.2E-03	6.6E-04	4.2E-05	1.5E-03	3.4E-03	1.2E-02	1.6E-07	3.8E-06	0	4.2E-06	6.4E-07	8.76E-06	8.8	0.002307
residential	486630.6	3618325	5.6E-03	9.6E-04	6.6E-05	3.0E-03	2.2E-04	1.1E-02	1.6E-07	3.8E-06	0	4.2E-06	6.3E-07	8.73E-06	8.7	0.002299
residential	486430.6	3618925	5.8E-03	9.5E-04	6.8E-05	2.9E-03	1.0E-04	1.1E-02	1.6E-07	3.8E-06	0	4.1E-06	6.3E-07	8.68E-06	8.7	0.002286
residential	486530.6	3618825	5.8E-03	9.4E-04	6.6E-05	2.9E-03	1.2E-04	1.1E-02	1.6E-07	3.8E-06	0	4.1E-06	6.3E-07	8.67E-06	8.7	0.002284
residential	484030.6	3617225	4.8E-03	1.9E-03	1.3E-04	3.8E-03	5.8E-05	1.1E-02	1.5E-07	3.7E-06	0	4.1E-06	6.2E-07	8.6E-06	8.6	0.002265
residential	484030.6	3617325	4.6E-03	2.0E-03	1.4E-04	3.8E-03	5.6E-05	1.1E-02	1.5E-07	3.7E-06	0	4.1E-06	6.2E-07	8.59E-06	8.6	0.002262
residential	486630.6	3618425	5.6E-03	9.5E-04	6.6E-05	2.9E-03	1.9E-04	1.1E-02	1.5E-07	3.7E-06	0	4.1E-06	6.2E-07	8.58E-06	8.6	0.002261
residential	486030.6	3619125	4.2E-03	1.2E-03	8.3E-05	4.2E-03	9.4E-05	1.1E-02	1.5E-07	3.7E-06	0	4.1E-06	6.2E-07	8.58E-06	8.6	0.002261
residential	487130.6	3617525	6.7E-03	7.8E-04	5.2E-05	2.3E-03	3.4E-04	1.1E-02	1.5E-07	3.7E-06	0	4.1E-06	6.2E-07	8.58E-06	8.6	0.00226

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	485930.6	3619125	4.0E-03	1.2E-03	8.6E-05	4.4E-03	8.9E-05	1.1E-02	1.5E-07	3.7E-06	0	4.1E-06	6.2E-07	8.58E-06	8.6	0.00226
residential	484130.6	3617725	3.8E-03	2.6E-03	2.0E-04	3.8E-03	5.0E-05	1.1E-02	1.5E-07	3.7E-06	0	4.1E-06	6.2E-07	8.54E-06	8.5	0.002249
residential	486630.6	3618525	5.7E-03	9.5E-04	6.5E-05	2.8E-03	1.7E-04	1.1E-02	1.5E-07	3.7E-06	0	4.1E-06	6.2E-07	8.52E-06	8.5	0.002244
residential	487130.6	3617425	6.8E-03	7.7E-04	5.0E-05	2.1E-03	4.2E-04	1.1E-02	1.5E-07	3.7E-06	0	4.1E-06	6.2E-07	8.5E-06	8.5	0.002239
residential	484030.6	3617425	4.4E-03	2.1E-03	1.5E-04	3.8E-03	5.4E-05	1.1E-02	1.5E-07	3.7E-06	0	4.1E-06	6.2E-07	8.5E-06	8.5	0.002238
residential	486330.6	3619025	5.3E-03	9.8E-04	7.0E-05	3.2E-03	9.7E-05	1.1E-02	1.5E-07	3.7E-06	0	4E-06	6.2E-07	8.49E-06	8.5	0.002237
residential	485630.6	3619025	3.3E-03	1.4E-03	1.1E-04	5.1E-03	7.4E-05	1.1E-02	1.5E-07	3.7E-06	0	4E-06	6.2E-07	8.49E-06	8.5	0.002237
residential	487130.6	3617625	6.5E-03	7.9E-04	5.3E-05	2.4E-03	2.8E-04	1.1E-02	1.5E-07	3.7E-06	0	4E-06	6.1E-07	8.47E-06	8.5	0.002232
residential	486630.6	3618625	5.7E-03	9.4E-04	6.5E-05	2.8E-03	1.5E-04	1.1E-02	1.5E-07	3.7E-06	0	4E-06	6.1E-07	8.44E-06	8.4	0.002224
residential	487529.8	3617382	5.5E-03	6.8E-04	4.3E-05	1.6E-03	2.6E-03	1.1E-02	1.5E-07	3.7E-06	0	4E-06	6.1E-07	8.44E-06	8.4	0.002224
residential	487629.5	3617328	5.2E-03	6.6E-04	4.2E-05	1.5E-03	3.0E-03	1.1E-02	1.5E-07	3.6E-06	0	4E-06	6.1E-07	8.42E-06	8.4	0.002219
residential	487548.3	3617382	5.4E-03	6.8E-04	4.3E-05	1.6E-03	2.6E-03	1.1E-02	1.5E-07	3.6E-06	0	4E-06	6.1E-07	8.4E-06	8.4	0.002212
residential	485830.6	3619125	3.7E-03	1.3E-03	9.1E-05	4.5E-03	8.1E-05	1.1E-02	1.5E-07	3.6E-06	0	4E-06	6.1E-07	8.37E-06	8.4	0.002205
residential	487511.3	3617382	5.5E-03	6.9E-04	4.3E-05	1.6E-03	2.4E-03	1.1E-02	1.5E-07	3.6E-06	0	4E-06	6.1E-07	8.37E-06	8.4	0.002205
residential	487566.8	3617382	5.3E-03	6.7E-04	4.3E-05	1.6E-03	2.6E-03	1.1E-02	1.5E-07	3.6E-06	0	4E-06	6E-07	8.34E-06	8.3	0.002197
residential	485230.6	3618725	2.5E-03	2.0E-03	1.5E-04	5.2E-03	3.7E-05	1.1E-02	1.5E-07	3.6E-06	0	4E-06	6E-07	8.33E-06	8.3	0.002195
residential	484030.6	3617525	4.1E-03	2.2E-03	1.6E-04	3.7E-03	5.1E-05	1.1E-02	1.5E-07	3.6E-06	0	4E-06	6E-07	8.33E-06	8.3	0.002194
residential	487479.5	3617309	5.6E-03	6.8E-04	4.2E-05	1.6E-03	2.3E-03	1.1E-02	1.5E-07	3.6E-06	0	4E-06	6E-07	8.33E-06	8.3	0.002193
residential	487585.3	3617382	5.3E-03	6.7E-04	4.3E-05	1.6E-03	2.7E-03	1.1E-02	1.5E-07	3.6E-06	0	4E-06	6E-07	8.32E-06	8.3	0.002192
residential	486630.6	3618725	5.6E-03	9.3E-04	6.4E-05	2.7E-03	1.4E-04	1.1E-02	1.5E-07	3.6E-06	0	4E-06	6E-07	8.32E-06	8.3	0.002191
residential	487130.6	3617325	6.7E-03	7.5E-04	4.7E-05	1.9E-03	5.8E-04	1.1E-02	1.5E-07	3.6E-06	0	3.9E-06	6E-07	8.28E-06	8.3	0.002182
residential	485330.6	3618825	2.6E-03	1.8E-03	1.4E-04	5.4E-03	4.4E-05	1.1E-02	1.5E-07	3.6E-06	0	3.9E-06	6E-07	8.28E-06	8.3	0.00218
residential	487603.8	3617382	5.3E-03	6.7E-04	4.3E-05	1.5E-03	2.7E-03	1.1E-02	1.5E-07	3.6E-06	0	3.9E-06	6E-07	8.27E-06	8.3	0.002178
residential	484130.6	3617825	3.6E-03	2.8E-03	2.2E-04	3.4E-03	4.6E-05	1.1E-02	1.5E-07	3.6E-06	0	3.9E-06	6E-07	8.22E-06	8.2	0.002166
residential	485430.6	3618925	2.8E-03	1.6E-03	1.2E-04	5.2E-03	5.4E-05	1.1E-02	1.5E-07	3.6E-06	0	3.9E-06	6E-07	8.22E-06	8.2	0.002166
residential	487504.5	3617309	5.5E-03	6.8E-04	4.2E-05	1.6E-03	2.3E-03	1.1E-02	1.5E-07	3.6E-06	0	3.9E-06	6E-07	8.22E-06	8.2	0.002165
residential	486230.6	3619125	4.6E-03	1.0E-03	7.4E-05	3.5E-03	9.3E-05	1.1E-02	1.5E-07	3.6E-06	0	3.9E-06	6E-07	8.21E-06	8.2	0.002163
residential	486530.6	3618925	5.7E-03	9.0E-04	6.4E-05	2.6E-03	1.0E-04	1.1E-02	1.5E-07	3.6E-06	0	3.9E-06	6E-07	8.21E-06	8.2	0.002162
residential	486730.6	3618225	5.2E-03	9.2E-04	6.4E-05	2.8E-03	2.1E-04	1.1E-02	1.5E-07	3.5E-06	0	3.9E-06	5.9E-07	8.2E-06	8.2	0.002161
residential	487492.8	3617382	5.6E-03	6.9E-04	4.4E-05	1.6E-03	2.0E-03	1.1E-02	1.5E-07	3.5E-06	0	3.9E-06	5.9E-07	8.18E-06	8.2	0.002155
residential	487622.3	3617382	5.2E-03	6.7E-04	4.2E-05	1.5E-03	2.6E-03	1.1E-02	1.5E-07	3.5E-06	0	3.9E-06	5.9E-07	8.18E-06	8.2	0.002154
residential	487529.5	3617309	5.4E-03	6.7E-04	4.2E-05	1.5E-03	2.3E-03	1.1E-02	1.5E-07	3.5E-06	0	3.9E-06	5.9E-07	8.15E-06	8.1	0.002147
residential	486430.6	3619025	5.4E-03	9.2E-04	6.6E-05	2.8E-03	9.1E-05	1.1E-02	1.5E-07	3.5E-06	0	3.9E-06	5.9E-07	8.12E-06	8.1	0.00214
residential	486630.6	3618825	5.5E-03	9.1E-04	6.3E-05	2.6E-03	1.2E-04	1.1E-02	1.5E-07	3.5E-06	0	3.9E-06	5.9E-07	8.12E-06	8.1	0.002138
residential	484030.6	3617625	3.8E-03	2.4E-03	1.8E-04	3.5E-03	4.8E-05	1.1E-02	1.5E-07	3.5E-06	0	3.9E-06	5.9E-07	8.1E-06	8.1	0.002135
residential	485130.6	3618625	2.5E-03	2.2E-03	1.7E-04	4.7E-03	3.8E-05	1.1E-02	1.4E-07	3.5E-06	0	3.9E-06	5.9E-07	8.09E-06	8.1	0.00213
residential	487640.8	3617382	5.2E-03	6.6E-04	4.2E-05	1.5E-03	2.5E-03	1.1E-02	1.4E-07	3.5E-06	0	3.8E-06	5.8E-07	8.05E-06	8.1	0.002121
residential	487554.5	3617309	5.4E-03	6.7E-04	4.2E-05	1.5E-03	2.3E-03	1.1E-02	1.4E-07	3.5E-06	0	3.8E-06	5.8E-07	8.05E-06	8.1	0.002121
residential	484130.6	3617925	3.4E-03	3.1E-03	2.4E-04	3.0E-03	4.2E-05	1.1E-02	1.4E-07	3.5E-06	0	3.8E-06	5.8E-07	8.04E-06	8.0	0.002117
residential	487230.6	3617525	6.3E-03	7.6E-04	5.0E-05	2.1E-03	3.1E-04	1.1E-02	1.4E-07	3.5E-06	0	3.8E-06	5.8E-07	8.03E-06	8.0	0.002117
residential	487230.6	3617425	6.4E-03	7.5E-04	4.8E-05	2.0E-03	3.9E-04	1.1E-02	1.4E-07	3.5E-06	0	3.8E-06	5.8E-07	8.01E-06	8.0	0.00211
residential	487479.5	3617289	5.6E-03	6.8E-04	4.2E-05	1.6E-03	1.9E-03	1.1E-02	1.4E-07	3.5E-06	0	3.8E-06	5.8E-07	8E-06	8.0	0.002109
residential	485730.6	3619125	3.4E-03	1.3E-03	9.8E-05	4.4E-03	7.1E-05	1.0E-02	1.4E-07	3.4E-06	0	3.8E-06	5.8E-07	7.96E-06	8.0	0.002097
residential	487474.3	3617382	5.6E-03	6.9E-04	4.4E-05	1.7E-03	1.7E-03	1.0E-02	1.4E-07	3.4E-06	0	3.8E-06	5.8E-07	7.95E-06	7.9	0.002093
residential	487579.5	3617309	5.3E-03	6.6E-04	4.2E-05	1.5E-03	2.2E-03	1.0E-02	1.4E-07	3.4E-06	0	3.8E-06	5.7E-07	7.92E-06	7.9	0.002086
residential	486730.6	3618325	5.2E-03	9.1E-04	6.3E-05	2.6E-03	1.9E-04	1.0E-02	1.4E-07	3.4E-06	0	3.8E-06	5.7E-07	7.91E-06	7.9	0.002085
residential	486330.6	3619125	4.9E-03	9.6E-04	6.9E-05	3.0E-03	8.7E-05	1.0E-02	1.4E-07	3.4E-06	0	3.8E-06	5.7E-07	7.91E-06	7.9	0.002083
residential	483930.6	3617325	4.2E-03	1.9E-03	1.4E-04	3.4E-03	5.1E-05	1.0E-02	1.4E-07	3.4E-06	0	3.8E-06	5.7E-07	7.9E-06	7.9	0.002082
residential	487230.6	3617325	6.4E-03	7.3E-04	4.6E-05	1.8E-03	5.3E-04	1.0E-02	1.4E-07	3.4E-06	0	3.8E-06	5.7E-07	7.88E-06	7.9	0.002075
residential	485530.6	3619025	2.9E-03	1.5E-03	1.1E-04	4.7E-03	5.9E-05	1.0E-02	1.4E-07	3.4E-06	0	3.8E-06	5.7E-07	7.88E-06	7.9	0.002075
residential	486830.6	3618125	5.1E-03	8.8E-04	6.1E-05	2.6E-03	1.9E-04	1.0E-02	1.4E-07	3.4E-06	0	3.8E-06	5.7E-07	7.87E-06	7.9	0.002074

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	486630.6	3618925	5.4E-03	8.8E-04	6.2E-05	2.5E-03	1.0E-04	1.0E-02	1.4E-07	3.4E-06	0	3.7E-06	5.7E-07	7.83E-06	7.8	0.002063
residential	486030.6	3619225	3.9E-03	1.1E-03	8.1E-05	3.7E-03	8.1E-05	1.0E-02	1.4E-07	3.4E-06	0	3.7E-06	5.7E-07	7.82E-06	7.8	0.002061
residential	484030.6	3617725	3.6E-03	2.5E-03	1.9E-04	3.2E-03	4.5E-05	1.0E-02	1.4E-07	3.4E-06	0	3.7E-06	5.7E-07	7.82E-06	7.8	0.002059
residential	487504.5	3617289	5.5E-03	6.7E-04	4.2E-05	1.5E-03	1.8E-03	1.0E-02	1.4E-07	3.4E-06	0	3.7E-06	5.7E-07	7.81E-06	7.8	0.002057
residential	487479.5	3617270	5.6E-03	6.8E-04	4.1E-05	1.5E-03	1.7E-03	1.0E-02	1.4E-07	3.4E-06	0	3.7E-06	5.7E-07	7.8E-06	7.8	0.002055
residential	483930.6	3617425	4.0E-03	2.0E-03	1.5E-04	3.3E-03	4.9E-05	1.0E-02	1.4E-07	3.4E-06	0	3.7E-06	5.7E-07	7.79E-06	7.8	0.002053
residential	486530.6	3619025	5.4E-03	8.8E-04	6.2E-05	2.5E-03	8.9E-05	1.0E-02	1.4E-07	3.4E-06	0	3.7E-06	5.6E-07	7.79E-06	7.8	0.002052
residential	487030.6	3617925	5.3E-03	8.2E-04	5.7E-05	2.4E-03	2.0E-04	1.0E-02	1.4E-07	3.4E-06	0	3.7E-06	5.6E-07	7.79E-06	7.8	0.002052
residential	486730.6	3618425	5.2E-03	9.1E-04	6.3E-05	2.5E-03	1.7E-04	1.0E-02	1.4E-07	3.4E-06	0	3.7E-06	5.6E-07	7.78E-06	7.8	0.002051
residential	486930.6	3618025	5.2E-03	8.5E-04	5.9E-05	2.5E-03	1.9E-04	1.0E-02	1.4E-07	3.4E-06	0	3.7E-06	5.6E-07	7.78E-06	7.8	0.00205
residential	487430.6	3617325	5.7E-03	6.9E-04	4.4E-05	1.6E-03	1.4E-03	1.0E-02	1.4E-07	3.4E-06	0	3.7E-06	5.6E-07	7.77E-06	7.8	0.002048
residential	487130.6	3617825	5.5E-03	8.0E-04	5.5E-05	2.3E-03	2.1E-04	1.0E-02	1.4E-07	3.4E-06	0	3.7E-06	5.6E-07	7.77E-06	7.8	0.002048
residential	485930.6	3619225	3.7E-03	1.2E-03	8.4E-05	3.9E-03	7.6E-05	1.0E-02	1.4E-07	3.4E-06	0	3.7E-06	5.6E-07	7.76E-06	7.8	0.002045
residential	487529.8	3617400	5.5E-03	6.9E-04	4.3E-05	1.6E-03	1.6E-03	1.0E-02	1.4E-07	3.4E-06	0	3.7E-06	5.6E-07	7.76E-06	7.8	0.002043
residential	487654.5	3617328	5.1E-03	6.5E-04	4.1E-05	1.4E-03	2.3E-03	1.0E-02	1.4E-07	3.4E-06	0	3.7E-06	5.6E-07	7.75E-06	7.7	0.002041
residential	486730.6	3618525	5.3E-03	9.1E-04	6.2E-05	2.4E-03	1.6E-04	1.0E-02	1.4E-07	3.3E-06	0	3.7E-06	5.6E-07	7.74E-06	7.7	0.002039
residential	487230.6	3617225	6.2E-03	7.1E-04	4.3E-05	1.7E-03	7.9E-04	1.0E-02	1.4E-07	3.3E-06	0	3.7E-06	5.6E-07	7.73E-06	7.7	0.002036
residential	487511.3	3617400	5.5E-03	6.9E-04	4.3E-05	1.6E-03	1.5E-03	1.0E-02	1.4E-07	3.3E-06	0	3.7E-06	5.6E-07	7.73E-06	7.7	0.002035
residential	487604.5	3617309	5.2E-03	6.6E-04	4.2E-05	1.5E-03	2.1E-03	1.0E-02	1.4E-07	3.3E-06	0	3.7E-06	5.6E-07	7.73E-06	7.7	0.002035
residential	486730.6	3618625	5.3E-03	9.0E-04	6.2E-05	2.4E-03	1.4E-04	1.0E-02	1.4E-07	3.3E-06	0	3.7E-06	5.6E-07	7.73E-06	7.7	0.002035
residential	487548.3	3617400	5.4E-03	6.8E-04	4.3E-05	1.6E-03	1.7E-03	1.0E-02	1.4E-07	3.3E-06	0	3.7E-06	5.6E-07	7.72E-06	7.7	0.002034
residential	487474.3	3617400	5.6E-03	6.9E-04	4.4E-05	1.7E-03	1.3E-03	1.0E-02	1.4E-07	3.3E-06	0	3.7E-06	5.6E-07	7.7E-06	7.7	0.002027
residential	487230.6	3617725	5.7E-03	7.8E-04	5.2E-05	2.2E-03	2.3E-04	1.0E-02	1.4E-07	3.3E-06	0	3.7E-06	5.6E-07	7.69E-06	7.7	0.002026
residential	487529.5	3617289	5.5E-03	6.7E-04	4.2E-05	1.5E-03	1.7E-03	1.0E-02	1.4E-07	3.3E-06	0	3.7E-06	5.6E-07	7.68E-06	7.7	0.002024
residential	487566.8	3617400	5.3E-03	6.8E-04	4.3E-05	1.6E-03	1.7E-03	1.0E-02	1.4E-07	3.3E-06	0	3.7E-06	5.6E-07	7.67E-06	7.7	0.00202
residential	487479.5	3617251	5.6E-03	6.7E-04	4.1E-05	1.5E-03	1.6E-03	1.0E-02	1.4E-07	3.3E-06	0	3.7E-06	5.6E-07	7.66E-06	7.7	0.002018
residential	487585.3	3617400	5.3E-03	6.8E-04	4.3E-05	1.6E-03	1.7E-03	1.0E-02	1.4E-07	3.3E-06	0	3.7E-06	5.6E-07	7.66E-06	7.7	0.002018
residential	486730.6	3618725	5.3E-03	8.9E-04	6.1E-05	2.4E-03	1.3E-04	1.0E-02	1.4E-07	3.3E-06	0	3.7E-06	5.6E-07	7.66E-06	7.7	0.002017
residential	487492.8	3617400	5.6E-03	6.9E-04	4.4E-05	1.7E-03	1.3E-03	1.0E-02	1.4E-07	3.3E-06	0	3.7E-06	5.6E-07	7.65E-06	7.7	0.002017
residential	483930.6	3617525	3.8E-03	2.1E-03	1.6E-04	3.2E-03	4.7E-05	1.0E-02	1.4E-07	3.3E-06	0	3.6E-06	5.5E-07	7.64E-06	7.6	0.002013
residential	486430.6	3619125	5.0E-03	9.1E-04	6.5E-05	2.6E-03	8.2E-05	1.0E-02	1.4E-07	3.3E-06	0	3.6E-06	5.5E-07	7.63E-06	7.6	0.00201
residential	486230.6	3619225	4.3E-03	1.0E-03	7.3E-05	3.2E-03	8.4E-05	1.0E-02	1.4E-07	3.3E-06	0	3.6E-06	5.5E-07	7.63E-06	7.6	0.002009
residential	487330.6	3617425	6.1E-03	7.3E-04	4.7E-05	1.9E-03	4.2E-04	1.0E-02	1.4E-07	3.3E-06	0	3.6E-06	5.5E-07	7.61E-06	7.6	0.002004
residential	487474.3	3617419	5.6E-03	7.0E-04	4.5E-05	1.7E-03	1.1E-03	1.0E-02	1.4E-07	3.3E-06	0	3.6E-06	5.5E-07	7.59E-06	7.6	0.002
residential	487330.6	3617325	6.1E-03	7.1E-04	4.5E-05	1.7E-03	6.1E-04	1.0E-02	1.4E-07	3.3E-06	0	3.6E-06	5.5E-07	7.57E-06	7.6	0.001994
residential	487554.5	3617289	5.4E-03	6.6E-04	4.2E-05	1.5E-03	1.7E-03	1.0E-02	1.4E-07	3.3E-06	0	3.6E-06	5.5E-07	7.56E-06	7.6	0.001991
residential	487504.5	3617270	5.5E-03	6.7E-04	4.1E-05	1.5E-03	1.5E-03	9.9E-03	1.4E-07	3.3E-06	0	3.6E-06	5.5E-07	7.55E-06	7.6	0.00199
residential	487473.6	3617435	5.6E-03	7.0E-04	4.5E-05	1.7E-03	1.1E-03	9.9E-03	1.4E-07	3.3E-06	0	3.6E-06	5.5E-07	7.55E-06	7.6	0.001989
residential	486730.6	3618825	5.3E-03	8.7E-04	6.0E-05	2.3E-03	1.2E-04	9.9E-03	1.4E-07	3.3E-06	0	3.6E-06	5.5E-07	7.54E-06	7.5	0.001987
residential	484030.6	3617825	3.3E-03	2.7E-03	2.1E-04	2.9E-03	4.1E-05	9.9E-03	1.3E-07	3.3E-06	0	3.6E-06	5.5E-07	7.54E-06	7.5	0.001985
residential	486830.6	3618225	4.9E-03	8.8E-04	6.1E-05	2.5E-03	1.8E-04	9.9E-03	1.3E-07	3.3E-06	0	3.6E-06	5.5E-07	7.52E-06	7.5	0.001981
residential	485830.6	3619225	3.5E-03	1.2E-03	8.9E-05	3.8E-03	6.8E-05	9.9E-03	1.3E-07	3.3E-06	0	3.6E-06	5.4E-07	7.51E-06	7.5	0.001979
residential	486630.6	3619025	5.3E-03	8.6E-04	6.0E-05	2.3E-03	9.1E-05	9.9E-03	1.3E-07	3.2E-06	0	3.6E-06	5.4E-07	7.48E-06	7.5	0.00197
residential	483930.6	3617625	3.6E-03	2.3E-03	1.7E-04	3.1E-03	4.4E-05	9.8E-03	1.3E-07	3.2E-06	0	3.6E-06	5.4E-07	7.48E-06	7.5	0.00197
residential	487679.5	3617347	5.1E-03	6.5E-04	4.1E-05	1.4E-03	2.0E-03	9.8E-03	1.3E-07	3.2E-06	0	3.6E-06	5.4E-07	7.47E-06	7.5	0.001969
residential	487492.8	3617419	5.6E-03	6.9E-04	4.4E-05	1.7E-03	1.0E-03	9.8E-03	1.3E-07	3.2E-06	0	3.6E-06	5.4E-07	7.46E-06	7.5	0.001964
residential	487511.3	3617419	5.6E-03	6.9E-04	4.3E-05	1.7E-03	1.1E-03	9.8E-03	1.3E-07	3.2E-06	0	3.6E-06	5.4E-07	7.45E-06	7.4	0.001962
residential	487330.6	3617225	5.9E-03	6.9E-04	4.2E-05	1.6E-03	8.3E-04	9.8E-03	1.3E-07	3.2E-06	0	3.5E-06	5.4E-07	7.44E-06	7.4	0.001961
residential	487629.5	3617309	5.2E-03	6.5E-04	4.1E-05	1.5E-03	1.8E-03	9.8E-03	1.3E-07	3.2E-06	0	3.5E-06	5.4E-07	7.43E-06	7.4	0.001959
residential	485630.6	3619125	3.1E-03	1.4E-03	1.0E-04	4.1E-03	5.9E-05	9.8E-03	1.3E-07	3.2E-06	0	3.5E-06	5.4E-07	7.41E-06	7.4	0.001953
residential	487430.6	3617425	5.7E-03	7.0E-04	4.6E-05	1.7E-03	7.0E-04	9.8E-03	1.3E-07	3.2E-06	0	3.5E-06	5.4E-07	7.41E-06	7.4	0.001952

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	487579.5	3617289	5.3E-03	6.6E-04	4.1E-05	1.5E-03	1.6E-03	9.8E-03	1.3E-07	3.2E-06	0	3.5E-06	5.4E-07	7.41E-06	7.4	0.001952
residential	487529.5	3617270	5.4E-03	6.7E-04	4.1E-05	1.5E-03	1.4E-03	9.8E-03	1.3E-07	3.2E-06	0	3.5E-06	5.4E-07	7.4E-06	7.4	0.00195
residential	487430.6	3617225	5.7E-03	6.8E-04	4.1E-05	1.5E-03	1.1E-03	9.8E-03	1.3E-07	3.2E-06	0	3.5E-06	5.4E-07	7.4E-06	7.4	0.00195
residential	486330.6	3619225	4.5E-03	9.5E-04	6.8E-05	2.9E-03	7.9E-05	9.7E-03	1.3E-07	3.2E-06	0	3.5E-06	5.4E-07	7.39E-06	7.4	0.001948
residential	487504.5	3617251	5.5E-03	6.7E-04	4.1E-05	1.5E-03	1.3E-03	9.7E-03	1.3E-07	3.2E-06	0	3.5E-06	5.4E-07	7.38E-06	7.4	0.001945
residential	486730.6	3618925	5.2E-03	8.6E-04	6.0E-05	2.3E-03	1.1E-04	9.7E-03	1.3E-07	3.2E-06	0	3.5E-06	5.4E-07	7.38E-06	7.4	0.001945
residential	486530.6	3619125	5.1E-03	8.7E-04	6.1E-05	2.4E-03	8.0E-05	9.7E-03	1.3E-07	3.2E-06	0	3.5E-06	5.3E-07	7.37E-06	7.4	0.001941
residential	485330.6	3618925	2.6E-03	1.7E-03	1.3E-04	4.3E-03	3.8E-05	9.7E-03	1.3E-07	3.2E-06	0	3.5E-06	5.3E-07	7.37E-06	7.4	0.00194
residential	485430.6	3619025	2.7E-03	1.6E-03	1.1E-04	4.3E-03	4.5E-05	9.7E-03	1.3E-07	3.2E-06	0	3.5E-06	5.3E-07	7.33E-06	7.3	0.001931
residential	483830.6	3617325	3.9E-03	1.9E-03	1.4E-04	3.0E-03	4.7E-05	9.7E-03	1.3E-07	3.2E-06	0	3.5E-06	5.3E-07	7.33E-06	7.3	0.00193
residential	487554.5	3617270	5.4E-03	6.6E-04	4.1E-05	1.5E-03	1.3E-03	9.6E-03	1.3E-07	3.1E-06	0	3.5E-06	5.3E-07	7.26E-06	7.3	0.001913
residential	484030.6	3617925	3.1E-03	2.9E-03	2.3E-04	2.6E-03	3.8E-05	9.6E-03	1.3E-07	3.1E-06	0	3.5E-06	5.3E-07	7.26E-06	7.3	0.001912
residential	487130.6	3617925	5.1E-03	7.9E-04	5.5E-05	2.2E-03	1.8E-04	9.6E-03	1.3E-07	3.1E-06	0	3.5E-06	5.3E-07	7.25E-06	7.3	0.00191
residential	487230.6	3617825	5.2E-03	7.7E-04	5.3E-05	2.1E-03	1.9E-04	9.5E-03	1.3E-07	3.1E-06	0	3.5E-06	5.3E-07	7.25E-06	7.2	0.00191
residential	486930.6	3618125	4.8E-03	8.4E-04	5.8E-05	2.3E-03	1.7E-04	9.5E-03	1.3E-07	3.1E-06	0	3.5E-06	5.3E-07	7.25E-06	7.2	0.001909
residential	483930.6	3617725	3.4E-03	2.4E-03	1.8E-04	2.8E-03	4.1E-05	9.5E-03	1.3E-07	3.1E-06	0	3.5E-06	5.3E-07	7.24E-06	7.2	0.001908
residential	487030.6	3618025	4.9E-03	8.2E-04	5.7E-05	2.3E-03	1.7E-04	9.5E-03	1.3E-07	3.1E-06	0	3.4E-06	5.2E-07	7.22E-06	7.2	0.001903
residential	486830.6	3618325	4.9E-03	8.7E-04	6.0E-05	2.3E-03	1.6E-04	9.5E-03	1.3E-07	3.1E-06	0	3.4E-06	5.2E-07	7.22E-06	7.2	0.001903
residential	487604.5	3617289	5.2E-03	6.6E-04	4.1E-05	1.5E-03	1.4E-03	9.5E-03	1.3E-07	3.1E-06	0	3.4E-06	5.2E-07	7.22E-06	7.2	0.001902
residential	487529.5	3617251	5.4E-03	6.6E-04	4.1E-05	1.5E-03	1.2E-03	9.5E-03	1.3E-07	3.1E-06	0	3.4E-06	5.2E-07	7.22E-06	7.2	0.001901
residential	483830.6	3617425	3.7E-03	2.0E-03	1.5E-04	3.0E-03	4.5E-05	9.5E-03	1.3E-07	3.1E-06	0	3.4E-06	5.2E-07	7.21E-06	7.2	0.001898
residential	486030.6	3619325	3.7E-03	1.1E-03	7.9E-05	3.3E-03	7.1E-05	9.4E-03	1.3E-07	3.1E-06	0	3.4E-06	5.2E-07	7.16E-06	7.2	0.001885
residential	486430.6	3619225	4.7E-03	9.0E-04	6.3E-05	2.5E-03	7.5E-05	9.4E-03	1.3E-07	3.1E-06	0	3.4E-06	5.2E-07	7.15E-06	7.2	0.001885
residential	487330.6	3617725	5.3E-03	7.5E-04	5.0E-05	2.0E-03	2.1E-04	9.4E-03	1.3E-07	3.1E-06	0	3.4E-06	5.2E-07	7.15E-06	7.2	0.001885
residential	486730.6	3619025	5.1E-03	8.3E-04	5.8E-05	2.2E-03	9.2E-05	9.4E-03	1.3E-07	3.1E-06	0	3.4E-06	5.2E-07	7.11E-06	7.1	0.001874
residential	487579.5	3617270	5.3E-03	6.6E-04	4.1E-05	1.5E-03	1.2E-03	9.4E-03	1.3E-07	3.1E-06	0	3.4E-06	5.2E-07	7.11E-06	7.1	0.001872
residential	486630.6	3619125	5.0E-03	8.4E-04	5.9E-05	2.2E-03	8.0E-05	9.4E-03	1.3E-07	3.1E-06	0	3.4E-06	5.2E-07	7.11E-06	7.1	0.001872
residential	486830.6	3618425	4.9E-03	8.7E-04	6.0E-05	2.2E-03	1.5E-04	9.4E-03	1.3E-07	3.1E-06	0	3.4E-06	5.1E-07	7.1E-06	7.1	0.00187
residential	483830.6	3617525	3.5E-03	2.1E-03	1.5E-04	2.9E-03	4.3E-05	9.3E-03	1.3E-07	3.1E-06	0	3.4E-06	5.1E-07	7.09E-06	7.1	0.001869
residential	485730.6	3619225	3.2E-03	1.3E-03	9.5E-05	3.7E-03	5.9E-05	9.3E-03	1.3E-07	3.1E-06	0	3.4E-06	5.1E-07	7.08E-06	7.1	0.001866
residential	485130.6	3618725	2.4E-03	2.1E-03	1.6E-04	3.7E-03	2.9E-05	9.3E-03	1.3E-07	3.1E-06	0	3.4E-06	5.1E-07	7.08E-06	7.1	0.001866
residential	486830.6	3618525	4.9E-03	8.7E-04	5.9E-05	2.2E-03	1.4E-04	9.3E-03	1.3E-07	3.1E-06	0	3.4E-06	5.1E-07	7.08E-06	7.1	0.001864
residential	486830.6	3618625	5.0E-03	8.7E-04	5.9E-05	2.1E-03	1.3E-04	9.3E-03	1.3E-07	3.1E-06	0	3.4E-06	5.1E-07	7.07E-06	7.1	0.001863
residential	487554.5	3617251	5.4E-03	6.6E-04	4.1E-05	1.5E-03	1.1E-03	9.3E-03	1.3E-07	3.1E-06	0	3.4E-06	5.1E-07	7.07E-06	7.1	0.001861
residential	485930.6	3619325	3.5E-03	1.2E-03	8.2E-05	3.4E-03	6.5E-05	9.3E-03	1.3E-07	3.1E-06	0	3.4E-06	5.1E-07	7.05E-06	7.1	0.001858
residential	486230.6	3619325	4.0E-03	9.9E-04	7.1E-05	2.9E-03	7.4E-05	9.3E-03	1.3E-07	3.1E-06	0	3.4E-06	5.1E-07	7.05E-06	7.0	0.001857
residential	487654.5	3617309	5.1E-03	6.5E-04	4.1E-05	1.4E-03	1.4E-03	9.3E-03	1.3E-07	3E-06	0	3.4E-06	5.1E-07	7.05E-06	7.0	0.001857
residential	486830.6	3618725	5.0E-03	8.5E-04	5.8E-05	2.1E-03	1.2E-04	9.3E-03	1.3E-07	3E-06	0	3.4E-06	5.1E-07	7.04E-06	7.0	0.001855
residential	485230.6	3618825	2.4E-03	1.9E-03	1.4E-04	4.0E-03	3.2E-05	9.2E-03	1.3E-07	3E-06	0	3.3E-06	5.1E-07	7.02E-06	7.0	0.001849
residential	487679.5	3617328	5.1E-03	6.5E-04	4.1E-05	1.4E-03	1.4E-03	9.2E-03	1.3E-07	3E-06	0	3.3E-06	5.1E-07	7E-06	7.0	0.001844
residential	487629.5	3617289	5.2E-03	6.5E-04	4.1E-05	1.4E-03	1.2E-03	9.2E-03	1.3E-07	3E-06	0	3.3E-06	5.1E-07	6.99E-06	7.0	0.001842
residential	487430.6	3617625	5.4E-03	7.2E-04	4.8E-05	1.9E-03	2.6E-04	9.2E-03	1.3E-07	3E-06	0	3.3E-06	5.1E-07	6.99E-06	7.0	0.001841
residential	486830.6	3618825	5.0E-03	8.4E-04	5.8E-05	2.1E-03	1.1E-04	9.2E-03	1.2E-07	3E-06	0	3.3E-06	5.1E-07	6.98E-06	7.0	0.001838
residential	483930.6	3617825	3.2E-03	2.6E-03	2.0E-04	2.6E-03	3.7E-05	9.2E-03	1.2E-07	3E-06	0	3.3E-06	5.1E-07	6.97E-06	7.0	0.001836
residential	485530.6	3619125	2.8E-03	1.4E-03	1.1E-04	3.9E-03	4.9E-05	9.2E-03	1.2E-07	3E-06	0	3.3E-06	5E-07	6.95E-06	7.0	0.001832
residential	487604.5	3617270	5.2E-03	6.5E-04	4.1E-05	1.4E-03	1.1E-03	9.1E-03	1.2E-07	3E-06	0	3.3E-06	5E-07	6.93E-06	6.9	0.001827
residential	483830.6	3617625	3.4E-03	2.2E-03	1.6E-04	2.7E-03	4.0E-05	9.1E-03	1.2E-07	3E-06	0	3.3E-06	5E-07	6.93E-06	6.9	0.001826
residential	486530.6	3619225	4.8E-03	8.5E-04	6.0E-05	2.3E-03	7.2E-05	9.1E-03	1.2E-07	3E-06	0	3.3E-06	5E-07	6.92E-06	6.9	0.001823
residential	486930.6	3618225	4.6E-03	8.4E-04	5.8E-05	2.2E-03	1.6E-04	9.1E-03	1.2E-07	3E-06	0	3.3E-06	5E-07	6.92E-06	6.9	0.001822
residential	487579.5	3617251	5.3E-03	6.6E-04	4.0E-05	1.4E-03	1.0E-03	9.1E-03	1.2E-07	3E-06	0	3.3E-06	5E-07	6.91E-06	6.9	0.00182
residential	486830.6	3618925	4.9E-03	8.2E-04	5.7E-05	2.0E-03	1.0E-04	9.1E-03	1.2E-07	3E-06	0	3.3E-06	5E-07	6.87E-06	6.9	0.001811

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	486330.6	3619325	4.2E-03	9.3E-04	6.6E-05	2.6E-03	7.1E-05	9.0E-03	1.2E-07	3E-06	0	3.3E-06	5E-07	6.84E-06	6.8	0.001803
residential	485830.6	3619325	3.3E-03	1.2E-03	8.7E-05	3.3E-03	5.9E-05	9.0E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.81E-06	6.8	0.001795
residential	487330.6	3617825	4.9E-03	7.5E-04	5.1E-05	1.9E-03	1.8E-04	9.0E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.8E-06	6.8	0.00179
residential	487230.6	3617925	4.8E-03	7.7E-04	5.3E-05	2.0E-03	1.7E-04	8.9E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.79E-06	6.8	0.001788
residential	485230.6	3615825	5.7E-03	7.5E-04	4.2E-05	1.8E-03	8.1E-05	8.9E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.78E-06	6.8	0.001785
residential	487604.5	3617251	5.2E-03	6.5E-04	4.0E-05	1.4E-03	8.9E-04	8.9E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.75E-06	6.7	0.001777
residential	487629.5	3617270	5.2E-03	6.5E-04	4.1E-05	1.4E-03	9.4E-04	8.9E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.74E-06	6.7	0.001776
residential	487130.6	3618025	4.6E-03	7.9E-04	5.4E-05	2.0E-03	1.6E-04	8.9E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.74E-06	6.7	0.001776
residential	483930.6	3617925	3.0E-03	2.8E-03	2.2E-04	2.3E-03	3.4E-05	8.9E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.73E-06	6.7	0.001774
residential	487654.5	3617289	5.1E-03	6.5E-04	4.1E-05	1.4E-03	9.9E-04	8.9E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.73E-06	6.7	0.001774
residential	487030.6	3618125	4.6E-03	8.1E-04	5.6E-05	2.1E-03	1.5E-04	8.9E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.73E-06	6.7	0.001773
residential	483830.6	3617725	3.2E-03	2.4E-03	1.8E-04	2.5E-03	3.7E-05	8.9E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.73E-06	6.7	0.001772
residential	486730.6	3619125	5.0E-03	8.0E-04	5.5E-05	1.9E-03	7.7E-05	8.9E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.72E-06	6.7	0.001772
residential	487430.6	3617725	5.0E-03	7.2E-04	4.9E-05	1.8E-03	2.1E-04	8.9E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.72E-06	6.7	0.001771
residential	483730.6	3617425	3.5E-03	1.9E-03	1.4E-04	2.6E-03	4.2E-05	8.8E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.71E-06	6.7	0.001767
residential	487704.5	3617347	5.0E-03	6.5E-04	4.1E-05	1.4E-03	1.1E-03	8.8E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.71E-06	6.7	0.001767
residential	486630.6	3619225	4.8E-03	8.2E-04	5.7E-05	2.1E-03	7.1E-05	8.8E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.69E-06	6.7	0.001763
residential	487679.5	3617309	5.0E-03	6.5E-04	4.1E-05	1.4E-03	9.9E-04	8.8E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.69E-06	6.7	0.001763
residential	486830.6	3619025	4.9E-03	8.0E-04	5.5E-05	1.9E-03	8.9E-05	8.8E-03	1.2E-07	2.9E-06	0	3.2E-06	4.9E-07	6.69E-06	6.7	0.001762
residential	486930.6	3618325	4.6E-03	8.4E-04	5.8E-05	2.1E-03	1.5E-04	8.8E-03	1.2E-07	2.9E-06	0	3.2E-06	4.8E-07	6.67E-06	6.7	0.001757
residential	486430.6	3619325	4.4E-03	8.8E-04	6.2E-05	2.3E-03	6.7E-05	8.8E-03	1.2E-07	2.9E-06	0	3.2E-06	4.8E-07	6.65E-06	6.6	0.001751
residential	485630.6	3619225	2.9E-03	1.3E-03	1.0E-04	3.4E-03	5.0E-05	8.7E-03	1.2E-07	2.9E-06	0	3.2E-06	4.8E-07	6.64E-06	6.6	0.001749
residential	487530.6	3617625	5.1E-03	7.0E-04	4.7E-05	1.7E-03	3.2E-04	8.7E-03	1.2E-07	2.9E-06	0	3.2E-06	4.8E-07	6.64E-06	6.6	0.001749
residential	483730.6	3617525	3.3E-03	2.1E-03	1.5E-04	2.5E-03	3.9E-05	8.7E-03	1.2E-07	2.9E-06	0	3.2E-06	4.8E-07	6.62E-06	6.6	0.001744
residential	487704.5	3617328	5.0E-03	6.4E-04	4.1E-05	1.4E-03	9.2E-04	8.7E-03	1.2E-07	2.8E-06	0	3.1E-06	4.8E-07	6.58E-06	6.6	0.001734
residential	487629.5	3617251	5.2E-03	6.5E-04	4.0E-05	1.4E-03	7.7E-04	8.7E-03	1.2E-07	2.8E-06	0	3.1E-06	4.8E-07	6.58E-06	6.6	0.001734
residential	487654.5	3617270	5.1E-03	6.4E-04	4.0E-05	1.4E-03	7.8E-04	8.6E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.55E-06	6.5	0.001725
residential	486030.6	3619425	3.5E-03	1.1E-03	7.7E-05	2.9E-03	6.2E-05	8.6E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.54E-06	6.5	0.001722
residential	483930.6	3618025	2.8E-03	3.0E-03	2.4E-04	2.0E-03	3.1E-05	8.6E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.54E-06	6.5	0.001722
residential	487630.6	3617525	5.0E-03	6.8E-04	4.4E-05	1.6E-03	5.0E-04	8.6E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.54E-06	6.5	0.001722
residential	486930.6	3618425	4.6E-03	8.4E-04	5.7E-05	1.9E-03	1.4E-04	8.6E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.51E-06	6.5	0.001716
residential	487679.5	3617289	5.0E-03	6.4E-04	4.1E-05	1.4E-03	7.8E-04	8.6E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.5E-06	6.5	0.001713
residential	486930.6	3618625	4.7E-03	8.3E-04	5.6E-05	1.9E-03	1.2E-04	8.6E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.5E-06	6.5	0.001712
residential	483830.6	3617825	3.0E-03	2.5E-03	1.9E-04	2.3E-03	3.4E-05	8.6E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.49E-06	6.5	0.00171
residential	486930.6	3618725	4.7E-03	8.2E-04	5.6E-05	1.8E-03	1.1E-04	8.5E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.48E-06	6.5	0.001708
residential	486230.6	3619425	3.8E-03	9.7E-04	6.9E-05	2.6E-03	6.5E-05	8.5E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.48E-06	6.5	0.001707
residential	485130.6	3615725	5.4E-03	7.5E-04	4.1E-05	1.7E-03	7.5E-05	8.5E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.48E-06	6.5	0.001707
residential	483730.6	3617625	3.2E-03	2.2E-03	1.6E-04	2.4E-03	3.7E-05	8.5E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.46E-06	6.5	0.001703
residential	486530.6	3619325	4.5E-03	8.3E-04	5.8E-05	2.1E-03	6.4E-05	8.5E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.45E-06	6.4	0.001699
residential	487704.5	3617309	5.0E-03	6.4E-04	4.1E-05	1.4E-03	7.6E-04	8.5E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.44E-06	6.4	0.001697
residential	485930.6	3619425	3.3E-03	1.1E-03	8.0E-05	2.9E-03	5.7E-05	8.5E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.44E-06	6.4	0.001696
residential	486930.6	3618825	4.7E-03	8.1E-04	5.5E-05	1.8E-03	1.0E-04	8.5E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.43E-06	6.4	0.001695
residential	486930.6	3618525	4.7E-03	8.2E-04	5.7E-05	1.8E-03	1.3E-04	8.5E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.42E-06	6.4	0.001692
residential	487654.5	3617251	5.1E-03	6.4E-04	4.0E-05	1.4E-03	6.5E-04	8.5E-03	1.2E-07	2.8E-06	0	3.1E-06	4.7E-07	6.42E-06	6.4	0.001692
residential	485230.6	3615725	5.4E-03	7.3E-04	4.0E-05	1.6E-03	7.7E-05	8.5E-03	1.1E-07	2.8E-06	0	3.1E-06	4.7E-07	6.42E-06	6.4	0.00169
residential	485430.6	3619125	2.5E-03	1.5E-03	1.1E-04	3.5E-03	3.8E-05	8.4E-03	1.1E-07	2.8E-06	0	3E-06	4.6E-07	6.39E-06	6.4	0.001683
residential	487330.6	3617925	4.6E-03	7.5E-04	5.1E-05	1.9E-03	1.6E-04	8.4E-03	1.1E-07	2.8E-06	0	3E-06	4.6E-07	6.39E-06	6.4	0.001683
residential	485730.6	3619325	3.0E-03	1.2E-03	9.1E-05	3.1E-03	5.0E-05	8.4E-03	1.1E-07	2.8E-06	0	3E-06	4.6E-07	6.39E-06	6.4	0.001683
residential	487729.5	3617347	4.9E-03	6.4E-04	4.1E-05	1.4E-03	7.3E-04	8.4E-03	1.1E-07	2.8E-06	0	3E-06	4.6E-07	6.39E-06	6.4	0.001682
residential	487430.6	3617825	4.7E-03	7.3E-04	4.9E-05	1.8E-03	1.7E-04	8.4E-03	1.1E-07	2.8E-06	0	3E-06	4.6E-07	6.39E-06	6.4	0.001682
residential	487030.6	3618225	4.4E-03	8.1E-04	5.6E-05	1.9E-03	1.4E-04	8.4E-03	1.1E-07	2.8E-06	0	3E-06	4.6E-07	6.38E-06	6.4	0.001682

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	486930.6	3618925	4.7E-03	7.9E-04	5.4E-05	1.8E-03	9.5E-05	8.4E-03	1.1E-07	2.8E-06	0	3E-06	4.6E-07	6.38E-06	6.4	0.001681
residential	486830.6	3619125	4.8E-03	7.7E-04	5.3E-05	1.7E-03	7.5E-05	8.4E-03	1.1E-07	2.8E-06	0	3E-06	4.6E-07	6.38E-06	6.4	0.001681
residential	487679.5	3617270	5.0E-03	6.4E-04	4.0E-05	1.4E-03	6.4E-04	8.4E-03	1.1E-07	2.8E-06	0	3E-06	4.6E-07	6.38E-06	6.4	0.00168
residential	485230.6	3618925	2.3E-03	1.8E-03	1.4E-04	3.3E-03	2.9E-05	8.4E-03	1.1E-07	2.8E-06	0	3E-06	4.6E-07	6.36E-06	6.4	0.001676
residential	486730.6	3619225	4.7E-03	7.7E-04	5.3E-05	1.8E-03	6.7E-05	8.4E-03	1.1E-07	2.8E-06	0	3E-06	4.6E-07	6.36E-06	6.4	0.001676
residential	487530.6	3617725	4.8E-03	7.0E-04	4.7E-05	1.7E-03	2.2E-04	8.4E-03	1.1E-07	2.7E-06	0	3E-06	4.6E-07	6.35E-06	6.3	0.001672
residential	487729.5	3617328	4.9E-03	6.4E-04	4.1E-05	1.4E-03	6.8E-04	8.3E-03	1.1E-07	2.7E-06	0	3E-06	4.6E-07	6.33E-06	6.3	0.001668
residential	485130.6	3618825	2.3E-03	2.0E-03	1.5E-04	3.0E-03	2.5E-05	8.3E-03	1.1E-07	2.7E-06	0	3E-06	4.6E-07	6.33E-06	6.3	0.001668
residential	485330.6	3619025	2.4E-03	1.6E-03	1.3E-04	3.4E-03	3.3E-05	8.3E-03	1.1E-07	2.7E-06	0	3E-06	4.6E-07	6.33E-06	6.3	0.001668
residential	487230.6	3618025	4.4E-03	7.6E-04	5.2E-05	1.9E-03	1.5E-04	8.3E-03	1.1E-07	2.7E-06	0	3E-06	4.6E-07	6.33E-06	6.3	0.001668
residential	487704.5	3617289	5.0E-03	6.4E-04	4.0E-05	1.4E-03	6.3E-04	8.3E-03	1.1E-07	2.7E-06	0	3E-06	4.6E-07	6.33E-06	6.3	0.001667
residential	483630.6	3617425	3.3E-03	1.9E-03	1.4E-04	2.4E-03	3.8E-05	8.3E-03	1.1E-07	2.7E-06	0	3E-06	4.6E-07	6.32E-06	6.3	0.001665
residential	486330.6	3619425	3.9E-03	9.1E-04	6.4E-05	2.4E-03	6.2E-05	8.3E-03	1.1E-07	2.7E-06	0	3E-06	4.6E-07	6.31E-06	6.3	0.001663
residential	485330.6	3615725	5.4E-03	7.1E-04	3.9E-05	1.6E-03	7.8E-05	8.3E-03	1.1E-07	2.7E-06	0	3E-06	4.6E-07	6.3E-06	6.3	0.001659
residential	487130.6	3618125	4.3E-03	7.8E-04	5.4E-05	1.9E-03	1.4E-04	8.3E-03	1.1E-07	2.7E-06	0	3E-06	4.6E-07	6.29E-06	6.3	0.001657
residential	487679.5	3617251	5.0E-03	6.4E-04	4.0E-05	1.4E-03	5.5E-04	8.3E-03	1.1E-07	2.7E-06	0	3E-06	4.6E-07	6.28E-06	6.3	0.001655
residential	485830.6	3619425	3.1E-03	1.2E-03	8.4E-05	2.9E-03	5.1E-05	8.3E-03	1.1E-07	2.7E-06	0	3E-06	4.6E-07	6.28E-06	6.3	0.001654
residential	483730.6	3617725	3.0E-03	2.3E-03	1.7E-04	2.2E-03	3.4E-05	8.3E-03	1.1E-07	2.7E-06	0	3E-06	4.6E-07	6.28E-06	6.3	0.001653
residential	486930.6	3619025	4.7E-03	7.7E-04	5.3E-05	1.7E-03	8.6E-05	8.3E-03	1.1E-07	2.7E-06	0	3E-06	4.5E-07	6.27E-06	6.3	0.001652
residential	483830.6	3617925	2.8E-03	2.7E-03	2.1E-04	2.0E-03	3.1E-05	8.3E-03	1.1E-07	2.7E-06	0	3E-06	4.5E-07	6.27E-06	6.3	0.001651
residential	487729.5	3617309	4.9E-03	6.4E-04	4.0E-05	1.4E-03	6.0E-04	8.2E-03	1.1E-07	2.7E-06	0	3E-06	4.5E-07	6.26E-06	6.3	0.001648
residential	487630.6	3617625	4.8E-03	6.8E-04	4.5E-05	1.6E-03	3.1E-04	8.2E-03	1.1E-07	2.7E-06	0	3E-06	4.5E-07	6.25E-06	6.3	0.001647
residential	486630.6	3619325	4.5E-03	7.9E-04	5.4E-05	1.9E-03	6.2E-05	8.2E-03	1.1E-07	2.7E-06	0	3E-06	4.5E-07	6.24E-06	6.2	0.001643
residential	487704.5	3617270	5.0E-03	6.4E-04	4.0E-05	1.4E-03	5.4E-04	8.2E-03	1.1E-07	2.7E-06	0	3E-06	4.5E-07	6.23E-06	6.2	0.001642
residential	485530.6	3619225	2.7E-03	1.4E-03	1.0E-04	3.2E-03	4.2E-05	8.2E-03	1.1E-07	2.7E-06	0	3E-06	4.5E-07	6.21E-06	6.2	0.001637
residential	485030.6	3618725	2.3E-03	2.2E-03	1.7E-04	2.6E-03	2.5E-05	8.2E-03	1.1E-07	2.7E-06	0	3E-06	4.5E-07	6.21E-06	6.2	0.001637
residential	483630.6	3617525	3.2E-03	2.0E-03	1.4E-04	2.3E-03	3.6E-05	8.2E-03	1.1E-07	2.7E-06	0	3E-06	4.5E-07	6.21E-06	6.2	0.001636
residential	487754.5	3617347	4.9E-03	6.4E-04	4.1E-05	1.4E-03	5.6E-04	8.2E-03	1.1E-07	2.7E-06	0	3E-06	4.5E-07	6.19E-06	6.2	0.00163
residential	487729.5	3617289	4.9E-03	6.4E-04	4.0E-05	1.4E-03	5.3E-04	8.1E-03	1.1E-07	2.7E-06	0	2.9E-06	4.5E-07	6.18E-06	6.2	0.001628
residential	485030.6	3615625	5.1E-03	7.4E-04	4.0E-05	1.7E-03	6.9E-05	8.1E-03	1.1E-07	2.7E-06	0	2.9E-06	4.5E-07	6.17E-06	6.2	0.001626
residential	487704.5	3617251	5.0E-03	6.4E-04	4.0E-05	1.3E-03	4.8E-04	8.1E-03	1.1E-07	2.7E-06	0	2.9E-06	4.5E-07	6.16E-06	6.2	0.001623
residential	487754.5	3617328	4.9E-03	6.4E-04	4.0E-05	1.4E-03	5.4E-04	8.1E-03	1.1E-07	2.7E-06	0	2.9E-06	4.5E-07	6.16E-06	6.2	0.001622
residential	487030.6	3618325	4.3E-03	8.0E-04	5.5E-05	1.8E-03	1.3E-04	8.1E-03	1.1E-07	2.7E-06	0	2.9E-06	4.5E-07	6.15E-06	6.2	0.001621
residential	485130.6	3615625	5.2E-03	7.2E-04	3.9E-05	1.6E-03	7.1E-05	8.1E-03	1.1E-07	2.7E-06	0	2.9E-06	4.5E-07	6.15E-06	6.1	0.00162
residential	487730.6	3617525	4.7E-03	6.6E-04	4.3E-05	1.5E-03	4.1E-04	8.1E-03	1.1E-07	2.7E-06	0	2.9E-06	4.5E-07	6.15E-06	6.1	0.001619
residential	486430.6	3619425	4.1E-03	8.5E-04	6.0E-05	2.1E-03	5.9E-05	8.1E-03	1.1E-07	2.7E-06	0	2.9E-06	4.5E-07	6.15E-06	6.1	0.001619
residential	486130.6	3619525	3.4E-03	1.0E-03	7.1E-05	2.6E-03	5.9E-05	8.1E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6.12E-06	6.1	0.001612
residential	487729.5	3617270	4.9E-03	6.3E-04	4.0E-05	1.3E-03	4.7E-04	8.0E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6.11E-06	6.1	0.00161
residential	487754.5	3617309	4.9E-03	6.3E-04	4.0E-05	1.4E-03	5.0E-04	8.0E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6.11E-06	6.1	0.001609
residential	483830.6	3618025	2.6E-03	2.9E-03	2.2E-04	1.7E-03	2.8E-05	8.0E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6.09E-06	6.1	0.001603
residential	486930.6	3619125	4.6E-03	7.5E-04	5.1E-05	1.6E-03	7.6E-05	8.0E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6.08E-06	6.1	0.001603
residential	483730.6	3617825	2.8E-03	2.4E-03	1.8E-04	2.0E-03	3.1E-05	8.0E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6.07E-06	6.1	0.0016
residential	485230.6	3615625	5.2E-03	7.0E-04	3.8E-05	1.5E-03	7.2E-05	8.0E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6.07E-06	6.1	0.0016
residential	487754.5	3617289	4.9E-03	6.3E-04	4.0E-05	1.3E-03	4.5E-04	8.0E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6.06E-06	6.1	0.001595
residential	487729.5	3617251	4.9E-03	6.3E-04	3.9E-05	1.3E-03	4.2E-04	8.0E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6.05E-06	6.1	0.001594
residential	487779.5	3617347	4.8E-03	6.4E-04	4.0E-05	1.4E-03	4.6E-04	8.0E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6.04E-06	6.0	0.001592
residential	483630.6	3617625	3.0E-03	2.1E-03	1.5E-04	2.1E-03	3.4E-05	8.0E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6.04E-06	6.0	0.001591
residential	485630.6	3619325	2.8E-03	1.3E-03	9.6E-05	2.9E-03	4.3E-05	8.0E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6.04E-06	6.0	0.00159
residential	487779.5	3617328	4.8E-03	6.3E-04	4.0E-05	1.4E-03	4.4E-04	7.9E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6.02E-06	6.0	0.001587
residential	487630.6	3617725	4.5E-03	6.9E-04	4.6E-05	1.6E-03	2.3E-04	7.9E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6.01E-06	6.0	0.001584
residential	487430.6	3617925	4.3E-03	7.2E-04	4.9E-05	1.7E-03	1.5E-04	7.9E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6.01E-06	6.0	0.001584

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	486830.6	3619225	4.6E-03	7.4E-04	5.0E-05	1.6E-03	6.4E-05	7.9E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6.01E-06	6.0	0.001583
residential	487754.5	3617270	4.9E-03	6.3E-04	3.9E-05	1.3E-03	4.1E-04	7.9E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6E-06	6.0	0.001582
residential	487030.6	3618425	4.3E-03	8.0E-04	5.5E-05	1.7E-03	1.2E-04	7.9E-03	1.1E-07	2.6E-06	0	2.9E-06	4.4E-07	6E-06	6.0	0.001581
residential	487030.6	3618625	4.4E-03	8.0E-04	5.4E-05	1.7E-03	1.1E-04	7.9E-03	1.1E-07	2.6E-06	0	2.9E-06	4.3E-07	6E-06	6.0	0.001579
residential	487779.5	3617309	4.8E-03	6.3E-04	4.0E-05	1.3E-03	4.2E-04	7.9E-03	1.1E-07	2.6E-06	0	2.9E-06	4.3E-07	5.99E-06	6.0	0.001578
residential	487030.6	3618725	4.4E-03	7.9E-04	5.3E-05	1.6E-03	1.1E-04	7.9E-03	1.1E-07	2.6E-06	0	2.9E-06	4.3E-07	5.98E-06	6.0	0.001577
residential	486530.6	3619425	4.2E-03	8.0E-04	5.5E-05	1.9E-03	5.6E-05	7.9E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.97E-06	6.0	0.001574
residential	486730.6	3619325	4.5E-03	7.5E-04	5.1E-05	1.7E-03	5.9E-05	7.8E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.96E-06	6.0	0.00157
residential	485330.6	3615625	5.1E-03	6.8E-04	3.7E-05	1.4E-03	7.3E-05	7.8E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.96E-06	6.0	0.001569
residential	487330.6	3618025	4.2E-03	7.4E-04	5.1E-05	1.7E-03	1.4E-04	7.8E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.95E-06	6.0	0.001569
residential	487030.6	3618825	4.4E-03	7.8E-04	5.3E-05	1.6E-03	9.7E-05	7.8E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.95E-06	6.0	0.001569
residential	487754.5	3617251	4.9E-03	6.3E-04	3.9E-05	1.3E-03	3.8E-04	7.8E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.95E-06	6.0	0.001569
residential	487779.5	3617289	4.8E-03	6.3E-04	3.9E-05	1.3E-03	4.0E-04	7.8E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.95E-06	6.0	0.001568
residential	487730.6	3617625	4.5E-03	6.6E-04	4.4E-05	1.5E-03	2.9E-04	7.8E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.93E-06	5.9	0.001562
residential	487030.6	3618925	4.4E-03	7.6E-04	5.2E-05	1.6E-03	9.0E-05	7.8E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.93E-06	5.9	0.001562
residential	487130.6	3618225	4.2E-03	7.7E-04	5.3E-05	1.7E-03	1.2E-04	7.8E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.92E-06	5.9	0.00156
residential	487804.5	3617347	4.7E-03	6.3E-04	4.0E-05	1.3E-03	3.9E-04	7.8E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.92E-06	5.9	0.00156
residential	487804.5	3617328	4.8E-03	6.3E-04	4.0E-05	1.3E-03	3.8E-04	7.8E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.91E-06	5.9	0.001557
residential	487779.5	3617270	4.8E-03	6.3E-04	3.9E-05	1.3E-03	3.7E-04	7.8E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.91E-06	5.9	0.001557
residential	487030.6	3618525	4.4E-03	7.9E-04	5.4E-05	1.6E-03	1.1E-04	7.8E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.91E-06	5.9	0.001557
residential	487230.6	3618125	4.1E-03	7.6E-04	5.2E-05	1.7E-03	1.3E-04	7.8E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.9E-06	5.9	0.001554
residential	486030.6	3619525	3.2E-03	1.0E-03	7.4E-05	2.5E-03	5.3E-05	7.8E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.9E-06	5.9	0.001554
residential	485930.6	3619525	3.1E-03	1.1E-03	7.8E-05	2.6E-03	5.0E-05	7.8E-03	1.1E-07	2.6E-06	0	2.8E-06	4.3E-07	5.9E-06	5.9	0.001554
residential	487804.5	3617309	4.8E-03	6.3E-04	3.9E-05	1.3E-03	3.7E-04	7.8E-03	1.1E-07	2.5E-06	0	2.8E-06	4.3E-07	5.88E-06	5.9	0.00155
residential	483730.6	3617925	2.6E-03	2.6E-03	1.9E-04	1.8E-03	2.9E-05	7.7E-03	1.1E-07	2.5E-06	0	2.8E-06	4.3E-07	5.88E-06	5.9	0.001549
residential	483630.6	3617725	2.8E-03	2.2E-03	1.6E-04	2.0E-03	3.1E-05	7.7E-03	1.1E-07	2.5E-06	0	2.8E-06	4.3E-07	5.88E-06	5.9	0.001548
residential	485730.6	3619425	2.9E-03	1.2E-03	8.8E-05	2.7E-03	4.4E-05	7.7E-03	1.1E-07	2.5E-06	0	2.8E-06	4.3E-07	5.87E-06	5.9	0.001547
residential	486930.6	3619225	4.5E-03	7.3E-04	5.0E-05	1.6E-03	6.8E-05	7.7E-03	1.1E-07	2.5E-06	0	2.8E-06	4.3E-07	5.87E-06	5.9	0.001546
residential	487779.5	3617251	4.8E-03	6.2E-04	3.9E-05	1.3E-03	3.4E-04	7.7E-03	1.1E-07	2.5E-06	0	2.8E-06	4.3E-07	5.87E-06	5.9	0.001546
residential	487804.5	3617289	4.8E-03	6.3E-04	3.9E-05	1.3E-03	3.5E-04	7.7E-03	1E-07	2.5E-06	0	2.8E-06	4.2E-07	5.86E-06	5.9	0.001543
residential	487804.5	3617270	4.8E-03	6.2E-04	3.9E-05	1.3E-03	3.3E-04	7.7E-03	1E-07	2.5E-06	0	2.8E-06	4.2E-07	5.82E-06	5.8	0.001534
residential	487829.5	3617347	4.7E-03	6.3E-04	4.0E-05	1.3E-03	3.4E-04	7.7E-03	1E-07	2.5E-06	0	2.8E-06	4.2E-07	5.82E-06	5.8	0.001533
residential	485430.6	3615625	5.0E-03	6.6E-04	3.6E-05	1.4E-03	7.4E-05	7.6E-03	1E-07	2.5E-06	0	2.8E-06	4.2E-07	5.81E-06	5.8	0.00153
residential	483530.6	3617525	3.0E-03	2.0E-03	1.4E-04	2.0E-03	3.4E-05	7.6E-03	1E-07	2.5E-06	0	2.8E-06	4.2E-07	5.81E-06	5.8	0.00153
residential	487829.5	3617328	4.7E-03	6.3E-04	4.0E-05	1.3E-03	3.3E-04	7.6E-03	1E-07	2.5E-06	0	2.8E-06	4.2E-07	5.8E-06	5.8	0.001529
residential	485330.6	3619125	2.3E-03	1.6E-03	1.2E-04	2.9E-03	3.0E-05	7.6E-03	1E-07	2.5E-06	0	2.8E-06	4.2E-07	5.79E-06	5.8	0.001526
residential	487829.5	3617309	4.7E-03	6.2E-04	3.9E-05	1.3E-03	3.2E-04	7.6E-03	1E-07	2.5E-06	0	2.8E-06	4.2E-07	5.79E-06	5.8	0.001525
residential	487804.5	3617251	4.8E-03	6.2E-04	3.9E-05	1.3E-03	3.1E-04	7.6E-03	1E-07	2.5E-06	0	2.8E-06	4.2E-07	5.78E-06	5.8	0.001523
residential	486630.6	3619425	4.2E-03	7.6E-04	5.2E-05	1.7E-03	5.4E-05	7.6E-03	1E-07	2.5E-06	0	2.8E-06	4.2E-07	5.78E-06	5.8	0.001523
residential	485430.6	3619225	2.4E-03	1.5E-03	1.1E-04	2.9E-03	3.3E-05	7.6E-03	1E-07	2.5E-06	0	2.8E-06	4.2E-07	5.77E-06	5.8	0.001521
residential	487030.6	3619025	4.5E-03	7.3E-04	5.0E-05	1.5E-03	7.7E-05	7.6E-03	1E-07	2.5E-06	0	2.8E-06	4.2E-07	5.77E-06	5.8	0.00152
residential	487829.5	3617289	4.7E-03	6.2E-04	3.9E-05	1.3E-03	3.1E-04	7.6E-03	1E-07	2.5E-06	0	2.7E-06	4.2E-07	5.76E-06	5.8	0.001518
residential	485230.6	3615525	4.9E-03	6.8E-04	3.6E-05	1.4E-03	6.8E-05	7.6E-03	1E-07	2.5E-06	0	2.7E-06	4.2E-07	5.75E-06	5.8	0.001516
residential	487830.6	3617525	4.5E-03	6.4E-04	4.2E-05	1.4E-03	2.7E-04	7.6E-03	1E-07	2.5E-06	0	2.7E-06	4.2E-07	5.74E-06	5.7	0.001512
residential	487829.5	3617270	4.7E-03	6.2E-04	3.9E-05	1.3E-03	3.0E-04	7.6E-03	1E-07	2.5E-06	0	2.7E-06	4.2E-07	5.73E-06	5.7	0.00151
residential	483730.6	3618025	2.5E-03	2.8E-03	2.1E-04	1.6E-03	2.6E-05	7.5E-03	1E-07	2.5E-06	0	2.7E-06	4.1E-07	5.72E-06	5.7	0.001507
residential	487854.5	3617347	4.6E-03	6.2E-04	4.0E-05	1.3E-03	3.0E-04	7.5E-03	1E-07	2.5E-06	0	2.7E-06	4.1E-07	5.72E-06	5.7	0.001507
residential	485230.6	3619025	2.2E-03	1.7E-03	1.3E-04	2.8E-03	2.6E-05	7.5E-03	1E-07	2.5E-06	0	2.7E-06	4.1E-07	5.72E-06	5.7	0.001507
residential	485130.6	3618925	2.2E-03	1.9E-03	1.4E-04	2.5E-03	2.3E-05	7.5E-03	1E-07	2.5E-06	0	2.7E-06	4.1E-07	5.72E-06	5.7	0.001506
residential	487854.5	3617328	4.6E-03	6.2E-04	3.9E-05	1.3E-03	3.0E-04	7.5E-03	1E-07	2.5E-06	0	2.7E-06	4.1E-07	5.71E-06	5.7	0.001504
residential	483630.6	3617825	2.7E-03	2.4E-03	1.7E-04	1.8E-03	2.9E-05	7.5E-03	1E-07	2.5E-06	0	2.7E-06	4.1E-07	5.7E-06	5.7	0.001503

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	487829.5	3617251	4.7E-03	6.2E-04	3.8E-05	1.3E-03	2.8E-04	7.5E-03	1E-07	2.5E-06	0	2.7E-06	4.1E-07	5.7E-06	5.7	0.001501
residential	485830.6	3619525	2.9E-03	1.1E-03	8.2E-05	2.5E-03	4.5E-05	7.5E-03	1E-07	2.5E-06	0	2.7E-06	4.1E-07	5.69E-06	5.7	0.0015
residential	487854.5	3617309	4.6E-03	6.2E-04	3.9E-05	1.3E-03	2.9E-04	7.5E-03	1E-07	2.5E-06	0	2.7E-06	4.1E-07	5.69E-06	5.7	0.0015
residential	487730.6	3617725	4.3E-03	6.7E-04	4.4E-05	1.5E-03	2.2E-04	7.5E-03	1E-07	2.5E-06	0	2.7E-06	4.1E-07	5.69E-06	5.7	0.001499
residential	485030.6	3618825	2.2E-03	2.1E-03	1.6E-04	2.2E-03	2.1E-05	7.5E-03	1E-07	2.5E-06	0	2.7E-06	4.1E-07	5.69E-06	5.7	0.001498
residential	487130.6	3618325	4.1E-03	7.7E-04	5.3E-05	1.6E-03	1.2E-04	7.5E-03	1E-07	2.5E-06	0	2.7E-06	4.1E-07	5.68E-06	5.7	0.001497
residential	487854.5	3617289	4.6E-03	6.2E-04	3.9E-05	1.3E-03	2.8E-04	7.5E-03	1E-07	2.5E-06	0	2.7E-06	4.1E-07	5.67E-06	5.7	0.001494
residential	485530.6	3619325	2.5E-03	1.3E-03	1.0E-04	2.8E-03	3.6E-05	7.5E-03	1E-07	2.5E-06	0	2.7E-06	4.1E-07	5.67E-06	5.7	0.001493
residential	483530.6	3617625	2.8E-03	2.1E-03	1.5E-04	1.9E-03	3.1E-05	7.5E-03	1E-07	2.5E-06	0	2.7E-06	4.1E-07	5.66E-06	5.7	0.001492
residential	487854.5	3617270	4.6E-03	6.2E-04	3.8E-05	1.3E-03	2.7E-04	7.4E-03	1E-07	2.4E-06	0	2.7E-06	4.1E-07	5.65E-06	5.6	0.001488
residential	485330.6	3615525	4.9E-03	6.6E-04	3.5E-05	1.3E-03	6.9E-05	7.4E-03	1E-07	2.4E-06	0	2.7E-06	4.1E-07	5.64E-06	5.6	0.001486
residential	486830.6	3619325	4.4E-03	7.1E-04	4.7E-05	1.5E-03	5.6E-05	7.4E-03	1E-07	2.4E-06	0	2.7E-06	4.1E-07	5.63E-06	5.6	0.001482
residential	486130.6	3619625	3.2E-03	9.8E-04	6.9E-05	2.3E-03	5.2E-05	7.4E-03	1E-07	2.4E-06	0	2.7E-06	4.1E-07	5.62E-06	5.6	0.001481
residential	487854.5	3617251	4.7E-03	6.1E-04	3.8E-05	1.3E-03	2.6E-04	7.4E-03	1E-07	2.4E-06	0	2.7E-06	4.1E-07	5.62E-06	5.6	0.001481
residential	487430.6	3618025	4.0E-03	7.2E-04	4.9E-05	1.6E-03	1.3E-04	7.4E-03	1E-07	2.4E-06	0	2.7E-06	4.1E-07	5.62E-06	5.6	0.001481
residential	487830.6	3617625	4.3E-03	6.5E-04	4.3E-05	1.4E-03	2.4E-04	7.4E-03	1E-07	2.4E-06	0	2.7E-06	4.1E-07	5.59E-06	5.6	0.001472
residential	487330.6	3618125	3.9E-03	7.3E-04	5.0E-05	1.6E-03	1.2E-04	7.3E-03	1E-07	2.4E-06	0	2.7E-06	4E-07	5.57E-06	5.6	0.001467
residential	487130.6	3618625	4.1E-03	7.7E-04	5.2E-05	1.5E-03	1.1E-04	7.3E-03	1E-07	2.4E-06	0	2.7E-06	4E-07	5.56E-06	5.6	0.001464
residential	487130.6	3618725	4.1E-03	7.7E-04	5.1E-05	1.5E-03	9.9E-05	7.3E-03	9.9E-08	2.4E-06	0	2.6E-06	4E-07	5.55E-06	5.5	0.001461
residential	483630.6	3617925	2.5E-03	2.5E-03	1.9E-04	1.6E-03	2.6E-05	7.3E-03	9.9E-08	2.4E-06	0	2.6E-06	4E-07	5.54E-06	5.5	0.00146
residential	487130.6	3618825	4.2E-03	7.5E-04	5.1E-05	1.5E-03	9.3E-05	7.3E-03	9.9E-08	2.4E-06	0	2.6E-06	4E-07	5.54E-06	5.5	0.00146
residential	486730.6	3619425	4.2E-03	7.2E-04	4.8E-05	1.5E-03	5.2E-05	7.3E-03	9.9E-08	2.4E-06	0	2.6E-06	4E-07	5.54E-06	5.5	0.00146
residential	487230.6	3618225	3.9E-03	7.5E-04	5.1E-05	1.6E-03	1.2E-04	7.3E-03	9.9E-08	2.4E-06	0	2.6E-06	4E-07	5.54E-06	5.5	0.001459
residential	487030.6	3619125	4.4E-03	7.0E-04	4.7E-05	1.3E-03	6.5E-05	7.3E-03	9.9E-08	2.4E-06	0	2.6E-06	4E-07	5.53E-06	5.5	0.001458
residential	485630.6	3619425	2.7E-03	1.2E-03	9.2E-05	2.6E-03	3.8E-05	7.3E-03	9.9E-08	2.4E-06	0	2.6E-06	4E-07	5.53E-06	5.5	0.001458
residential	487130.6	3618425	4.1E-03	7.6E-04	5.2E-05	1.5E-03	1.1E-04	7.3E-03	9.9E-08	2.4E-06	0	2.6E-06	4E-07	5.53E-06	5.5	0.001456
residential	483430.6	3617525	2.8E-03	2.0E-03	1.4E-04	1.8E-03	3.1E-05	7.3E-03	9.9E-08	2.4E-06	0	2.6E-06	4E-07	5.52E-06	5.5	0.001454
residential	483530.6	3617725	2.7E-03	2.2E-03	1.6E-04	1.8E-03	2.9E-05	7.3E-03	9.9E-08	2.4E-06	0	2.6E-06	4E-07	5.52E-06	5.5	0.001454
residential	485430.6	3615525	4.8E-03	6.4E-04	3.4E-05	1.3E-03	7.0E-05	7.2E-03	9.9E-08	2.4E-06	0	2.6E-06	4E-07	5.5E-06	5.5	0.00145
residential	487130.6	3618525	4.0E-03	7.7E-04	5.2E-05	1.5E-03	1.1E-04	7.2E-03	9.9E-08	2.4E-06	0	2.6E-06	4E-07	5.5E-06	5.5	0.001449
residential	486930.6	3619325	4.3E-03	6.9E-04	4.7E-05	1.4E-03	5.8E-05	7.2E-03	9.8E-08	2.4E-06	0	2.6E-06	4E-07	5.5E-06	5.5	0.001448
residential	487130.6	3618925	4.2E-03	7.3E-04	5.0E-05	1.4E-03	8.4E-05	7.2E-03	9.8E-08	2.4E-06	0	2.6E-06	4E-07	5.48E-06	5.5	0.001444
residential	487730.6	3617025	4.8E-03	6.0E-04	3.3E-05	1.1E-03	2.6E-04	7.2E-03	9.8E-08	2.4E-06	0	2.6E-06	4E-07	5.46E-06	5.5	0.00144
residential	487930.6	3617325	4.5E-03	6.1E-04	3.9E-05	1.2E-03	2.2E-04	7.2E-03	9.8E-08	2.4E-06	0	2.6E-06	4E-07	5.45E-06	5.4	0.001436
residential	487030.6	3619225	4.3E-03	6.9E-04	4.6E-05	1.3E-03	6.2E-05	7.2E-03	9.7E-08	2.4E-06	0	2.6E-06	3.9E-07	5.44E-06	5.4	0.001433
residential	486030.6	3619625	3.1E-03	1.0E-03	7.2E-05	2.2E-03	4.7E-05	7.1E-03	9.7E-08	2.3E-06	0	2.6E-06	3.9E-07	5.42E-06	5.4	0.001429
residential	485930.6	3619625	2.9E-03	1.1E-03	7.6E-05	2.3E-03	4.5E-05	7.1E-03	9.7E-08	2.3E-06	0	2.6E-06	3.9E-07	5.42E-06	5.4	0.001428
residential	483630.6	3618025	2.4E-03	2.7E-03	2.0E-04	1.4E-03	2.4E-05	7.1E-03	9.7E-08	2.3E-06	0	2.6E-06	3.9E-07	5.4E-06	5.4	0.001423
residential	485730.6	3619525	2.7E-03	1.2E-03	8.5E-05	2.4E-03	3.9E-05	7.1E-03	9.7E-08	2.3E-06	0	2.6E-06	3.9E-07	5.4E-06	5.4	0.001423
residential	487930.6	3617525	4.3E-03	6.3E-04	4.1E-05	1.3E-03	1.9E-04	7.1E-03	9.7E-08	2.3E-06	0	2.6E-06	3.9E-07	5.39E-06	5.4	0.001421
residential	483530.6	3617825	2.5E-03	2.3E-03	1.7E-04	1.6E-03	2.7E-05	7.1E-03	9.6E-08	2.3E-06	0	2.6E-06	3.9E-07	5.38E-06	5.4	0.001418
residential	487830.6	3617725	4.1E-03	6.5E-04	4.3E-05	1.4E-03	2.0E-04	7.1E-03	9.6E-08	2.3E-06	0	2.6E-06	3.9E-07	5.38E-06	5.4	0.001418
residential	485330.6	3615425	4.6E-03	6.4E-04	3.4E-05	1.3E-03	6.5E-05	7.0E-03	9.6E-08	2.3E-06	0	2.6E-06	3.9E-07	5.35E-06	5.4	0.00141
residential	483630.6	3618125	2.3E-03	2.9E-03	2.1E-04	1.2E-03	2.2E-05	7.0E-03	9.6E-08	2.3E-06	0	2.5E-06	3.9E-07	5.34E-06	5.3	0.001408
residential	485530.6	3615525	4.7E-03	6.2E-04	3.3E-05	1.2E-03	7.0E-05	7.0E-03	9.6E-08	2.3E-06	0	2.5E-06	3.9E-07	5.34E-06	5.3	0.001408
residential	487230.6	3618325	3.8E-03	7.4E-04	5.1E-05	1.5E-03	1.1E-04	7.0E-03	9.5E-08	2.3E-06	0	2.5E-06	3.9E-07	5.32E-06	5.3	0.001403
residential	483430.6	3617625	2.6E-03	2.0E-03	1.5E-04	1.7E-03	2.9E-05	7.0E-03	9.5E-08	2.3E-06	0	2.5E-06	3.9E-07	5.32E-06	5.3	0.001402
residential	486930.6	3619425	4.1E-03	6.8E-04	4.6E-05	1.4E-03	5.4E-05	7.0E-03	9.5E-08	2.3E-06	0	2.5E-06	3.8E-07	5.29E-06	5.3	0.001395
residential	485430.6	3619325	2.3E-03	1.4E-03	1.1E-04	2.5E-03	3.0E-05	7.0E-03	9.5E-08	2.3E-06	0	2.5E-06	3.8E-07	5.29E-06	5.3	0.001393
residential	485330.6	3619225	2.2E-03	1.5E-03	1.2E-04	2.5E-03	2.7E-05	7.0E-03	9.5E-08	2.3E-06	0	2.5E-06	3.8E-07	5.29E-06	5.3	0.001392
residential	486830.6	3619425	4.1E-03	6.9E-04	4.5E-05	1.4E-03	5.0E-05	7.0E-03	9.5E-08	2.3E-06	0	2.5E-06	3.8E-07	5.28E-06	5.3	0.001391

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	487930.6	3617625	4.1E-03	6.3E-04	4.1E-05	1.3E-03	1.8E-04	6.9E-03	9.5E-08	2.3E-06	0	2.5E-06	3.8E-07	5.28E-06	5.3	0.00139
residential	485430.6	3615425	4.6E-03	6.3E-04	3.3E-05	1.2E-03	6.6E-05	6.9E-03	9.4E-08	2.3E-06	0	2.5E-06	3.8E-07	5.27E-06	5.3	0.001389
residential	487430.6	3618125	3.7E-03	7.1E-04	4.8E-05	1.5E-03	1.2E-04	6.9E-03	9.4E-08	2.3E-06	0	2.5E-06	3.8E-07	5.27E-06	5.3	0.001388
residential	487830.6	3617025	4.6E-03	5.9E-04	3.2E-05	1.1E-03	2.0E-04	6.9E-03	9.4E-08	2.3E-06	0	2.5E-06	3.8E-07	5.27E-06	5.3	0.001388
residential	487130.6	3619025	4.3E-03	6.9E-04	4.6E-05	1.2E-03	6.8E-05	6.9E-03	9.4E-08	2.3E-06	0	2.5E-06	3.8E-07	5.26E-06	5.3	0.001387
residential	487330.6	3618225	3.7E-03	7.3E-04	5.0E-05	1.5E-03	1.1E-04	6.9E-03	9.4E-08	2.3E-06	0	2.5E-06	3.8E-07	5.26E-06	5.3	0.001385
residential	485830.6	3619625	2.8E-03	1.1E-03	7.9E-05	2.2E-03	4.0E-05	6.9E-03	9.4E-08	2.3E-06	0	2.5E-06	3.8E-07	5.24E-06	5.2	0.001381
residential	484930.6	3618825	2.1E-03	2.2E-03	1.7E-04	1.7E-03	1.9E-05	6.9E-03	9.4E-08	2.3E-06	0	2.5E-06	3.8E-07	5.24E-06	5.2	0.00138
residential	483530.6	3617925	2.4E-03	2.4E-03	1.8E-04	1.4E-03	2.5E-05	6.9E-03	9.4E-08	2.3E-06	0	2.5E-06	3.8E-07	5.24E-06	5.2	0.00138
residential	487230.6	3618425	3.8E-03	7.5E-04	5.1E-05	1.4E-03	1.1E-04	6.9E-03	9.4E-08	2.3E-06	0	2.5E-06	3.8E-07	5.23E-06	5.2	0.001378
residential	485530.6	3619425	2.4E-03	1.3E-03	9.7E-05	2.4E-03	3.2E-05	6.9E-03	9.4E-08	2.3E-06	0	2.5E-06	3.8E-07	5.22E-06	5.2	0.001376
residential	485230.6	3619125	2.1E-03	1.7E-03	1.3E-04	2.4E-03	2.4E-05	6.9E-03	9.4E-08	2.3E-06	0	2.5E-06	3.8E-07	5.22E-06	5.2	0.001375
residential	485030.6	3618925	2.1E-03	2.0E-03	1.5E-04	1.9E-03	1.9E-05	6.9E-03	9.3E-08	2.3E-06	0	2.5E-06	3.8E-07	5.21E-06	5.2	0.001372
residential	487230.6	3618525	3.8E-03	7.5E-04	5.0E-05	1.4E-03	1.0E-04	6.8E-03	9.3E-08	2.2E-06	0	2.5E-06	3.8E-07	5.19E-06	5.2	0.001368
residential	485130.6	3619025	2.1E-03	1.8E-03	1.4E-04	2.1E-03	2.1E-05	6.8E-03	9.3E-08	2.2E-06	0	2.5E-06	3.8E-07	5.19E-06	5.2	0.001367
residential	487030.6	3619325	4.1E-03	6.6E-04	4.4E-05	1.3E-03	5.5E-05	6.8E-03	9.3E-08	2.2E-06	0	2.5E-06	3.8E-07	5.19E-06	5.2	0.001366
residential	483430.6	3617725	2.5E-03	2.1E-03	1.5E-04	1.6E-03	2.7E-05	6.8E-03	9.3E-08	2.2E-06	0	2.5E-06	3.8E-07	5.18E-06	5.2	0.001366
residential	488030.6	3617325	4.3E-03	6.0E-04	3.8E-05	1.2E-03	1.7E-04	6.8E-03	9.3E-08	2.2E-06	0	2.5E-06	3.8E-07	5.18E-06	5.2	0.001365
residential	487230.6	3618625	3.8E-03	7.5E-04	5.0E-05	1.4E-03	9.8E-05	6.8E-03	9.3E-08	2.2E-06	0	2.5E-06	3.8E-07	5.18E-06	5.2	0.001364
residential	485530.6	3615425	4.5E-03	6.2E-04	3.2E-05	1.1E-03	6.6E-05	6.8E-03	9.3E-08	2.2E-06	0	2.5E-06	3.7E-07	5.17E-06	5.2	0.001362
residential	487230.6	3618725	3.9E-03	7.4E-04	4.9E-05	1.3E-03	9.3E-05	6.8E-03	9.2E-08	2.2E-06	0	2.5E-06	3.7E-07	5.16E-06	5.2	0.00136
residential	487230.6	3618825	3.9E-03	7.3E-04	4.9E-05	1.3E-03	8.7E-05	6.8E-03	9.2E-08	2.2E-06	0	2.5E-06	3.7E-07	5.15E-06	5.1	0.001356
residential	483330.6	3617625	2.6E-03	2.0E-03	1.4E-04	1.6E-03	2.7E-05	6.8E-03	9.2E-08	2.2E-06	0	2.5E-06	3.7E-07	5.14E-06	5.1	0.001354
residential	486030.6	3619725	2.9E-03	9.8E-04	7.0E-05	2.0E-03	4.4E-05	6.8E-03	9.2E-08	2.2E-06	0	2.4E-06	3.7E-07	5.13E-06	5.1	0.001351
residential	483530.6	3618025	2.3E-03	2.6E-03	1.9E-04	1.3E-03	2.2E-05	6.8E-03	9.2E-08	2.2E-06	0	2.4E-06	3.7E-07	5.12E-06	5.1	0.00135
residential	488030.6	3617525	4.1E-03	6.1E-04	4.0E-05	1.2E-03	1.5E-04	6.7E-03	9.2E-08	2.2E-06	0	2.4E-06	3.7E-07	5.11E-06	5.1	0.001346
residential	485630.6	3619525	2.5E-03	1.2E-03	8.9E-05	2.2E-03	3.4E-05	6.7E-03	9.1E-08	2.2E-06	0	2.4E-06	3.7E-07	5.11E-06	5.1	0.001346
residential	483430.6	3617825	2.4E-03	2.3E-03	1.6E-04	1.4E-03	2.5E-05	6.7E-03	9.1E-08	2.2E-06	0	2.4E-06	3.7E-07	5.11E-06	5.1	0.001345
residential	487930.6	3617725	3.9E-03	6.3E-04	4.2E-05	1.3E-03	1.6E-04	6.7E-03	9.1E-08	2.2E-06	0	2.4E-06	3.7E-07	5.09E-06	5.1	0.00134
residential	487230.6	3618925	3.9E-03	7.0E-04	4.7E-05	1.3E-03	7.9E-05	6.7E-03	9.1E-08	2.2E-06	0	2.4E-06	3.7E-07	5.08E-06	5.1	0.001339
residential	487930.6	3617025	4.4E-03	5.8E-04	3.1E-05	1.0E-03	1.6E-04	6.7E-03	9.1E-08	2.2E-06	0	2.4E-06	3.7E-07	5.07E-06	5.1	0.001335
residential	487330.6	3618325	3.6E-03	7.3E-04	4.9E-05	1.4E-03	1.0E-04	6.6E-03	9E-08	2.2E-06	0	2.4E-06	3.7E-07	5.04E-06	5.0	0.001328
residential	485930.6	3619725	2.8E-03	1.0E-03	7.3E-05	2.0E-03	4.0E-05	6.6E-03	9E-08	2.2E-06	0	2.4E-06	3.6E-07	5.03E-06	5.0	0.001325
residential	483530.6	3618125	2.1E-03	2.7E-03	2.0E-04	1.1E-03	2.0E-05	6.6E-03	9E-08	2.2E-06	0	2.4E-06	3.6E-07	5.02E-06	5.0	0.001322
residential	485730.6	3619625	2.6E-03	1.1E-03	8.2E-05	2.1E-03	3.5E-05	6.6E-03	9E-08	2.2E-06	0	2.4E-06	3.6E-07	5.01E-06	5.0	0.00132
residential	487430.6	3618225	3.6E-03	7.1E-04	4.8E-05	1.4E-03	1.1E-04	6.6E-03	8.9E-08	2.2E-06	0	2.4E-06	3.6E-07	4.99E-06	5.0	0.001315
residential	483430.6	3617925	2.3E-03	2.4E-03	1.7E-04	1.3E-03	2.3E-05	6.6E-03	8.9E-08	2.2E-06	0	2.4E-06	3.6E-07	4.97E-06	5.0	0.00131
residential	488030.6	3617625	3.9E-03	6.1E-04	4.0E-05	1.2E-03	1.4E-04	6.6E-03	8.9E-08	2.2E-06	0	2.4E-06	3.6E-07	4.97E-06	5.0	0.00131
residential	487230.6	3619025	4.0E-03	6.7E-04	4.5E-05	1.1E-03	6.8E-05	6.5E-03	8.9E-08	2.1E-06	0	2.4E-06	3.6E-07	4.96E-06	5.0	0.001306
residential	487030.6	3619425	3.9E-03	6.5E-04	4.2E-05	1.2E-03	5.0E-05	6.5E-03	8.9E-08	2.1E-06	0	2.4E-06	3.6E-07	4.95E-06	5.0	0.001305
residential	487830.6	3616925	4.4E-03	5.7E-04	3.0E-05	9.5E-04	1.6E-04	6.5E-03	8.9E-08	2.1E-06	0	2.4E-06	3.6E-07	4.95E-06	5.0	0.001305
residential	488130.6	3617325	4.1E-03	5.8E-04	3.7E-05	1.1E-03	1.4E-04	6.5E-03	8.9E-08	2.1E-06	0	2.4E-06	3.6E-07	4.94E-06	4.9	0.001302
residential	487330.6	3618425	3.6E-03	7.3E-04	4.9E-05	1.3E-03	1.0E-04	6.5E-03	8.9E-08	2.1E-06	0	2.4E-06	3.6E-07	4.94E-06	4.9	0.001302
residential	484830.6	3618825	2.0E-03	2.3E-03	1.8E-04	1.3E-03	1.7E-05	6.5E-03	8.8E-08	2.1E-06	0	2.4E-06	3.6E-07	4.93E-06	4.9	0.001299
residential	483330.6	3617725	2.4E-03	2.1E-03	1.5E-04	1.4E-03	2.5E-05	6.5E-03	8.8E-08	2.1E-06	0	2.3E-06	3.6E-07	4.92E-06	4.9	0.001297
residential	487930.6	3617825	3.7E-03	6.4E-04	4.2E-05	1.3E-03	1.5E-04	6.5E-03	8.8E-08	2.1E-06	0	2.3E-06	3.6E-07	4.9E-06	4.9	0.001291
residential	485830.6	3619725	2.6E-03	1.1E-03	7.6E-05	2.0E-03	3.6E-05	6.4E-03	8.8E-08	2.1E-06	0	2.3E-06	3.6E-07	4.9E-06	4.9	0.00129
residential	483230.6	3617625	2.5E-03	2.0E-03	1.3E-04	1.4E-03	2.5E-05	6.4E-03	8.8E-08	2.1E-06	0	2.3E-06	3.5E-07	4.89E-06	4.9	0.001289
residential	487130.6	3619325	4.0E-03	6.4E-04	4.2E-05	1.1E-03	5.2E-05	6.4E-03	8.7E-08	2.1E-06	0	2.3E-06	3.5E-07	4.88E-06	4.9	0.001286
residential	488030.6	3617025	4.3E-03	5.7E-04	3.1E-05	1.0E-03	1.4E-04	6.4E-03	8.7E-08	2.1E-06	0	2.3E-06	3.5E-07	4.88E-06	4.9	0.001285
residential	485430.6	3619425	2.2E-03	1.3E-03	1.0E-04	2.2E-03	2.7E-05	6.4E-03	8.7E-08	2.1E-06	0	2.3E-06	3.5E-07	4.88E-06	4.9	0.001285

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	487330.6	3618525	3.6E-03	7.3E-04	4.9E-05	1.3E-03	9.6E-05	6.4E-03	8.7E-08	2.1E-06	0	2.3E-06	3.5E-07	4.87E-06	4.9	0.001284
residential	483430.6	3618025	2.2E-03	2.5E-03	1.8E-04	1.2E-03	2.1E-05	6.4E-03	8.7E-08	2.1E-06	0	2.3E-06	3.5E-07	4.87E-06	4.9	0.001283
residential	484930.6	3618925	2.0E-03	2.1E-03	1.6E-04	1.5E-03	1.7E-05	6.4E-03	8.7E-08	2.1E-06	0	2.3E-06	3.5E-07	4.86E-06	4.9	0.001282
residential	485330.6	3619325	2.1E-03	1.5E-03	1.1E-04	2.2E-03	2.4E-05	6.4E-03	8.7E-08	2.1E-06	0	2.3E-06	3.5E-07	4.86E-06	4.9	0.001281
residential	487130.6	3619125	4.1E-03	6.4E-04	4.1E-05	1.0E-03	5.4E-05	6.4E-03	8.7E-08	2.1E-06	0	2.3E-06	3.5E-07	4.85E-06	4.8	0.001278
residential	488130.6	3617525	3.9E-03	6.0E-04	3.9E-05	1.2E-03	1.2E-04	6.4E-03	8.7E-08	2.1E-06	0	2.3E-06	3.5E-07	4.84E-06	4.8	0.001276
residential	487330.6	3618625	3.6E-03	7.2E-04	4.8E-05	1.3E-03	9.2E-05	6.4E-03	8.7E-08	2.1E-06	0	2.3E-06	3.5E-07	4.84E-06	4.8	0.001275
residential	487130.6	3619225	4.0E-03	6.3E-04	4.1E-05	1.1E-03	5.2E-05	6.4E-03	8.7E-08	2.1E-06	0	2.3E-06	3.5E-07	4.83E-06	4.8	0.001273
residential	483330.6	3617825	2.3E-03	2.2E-03	1.6E-04	1.3E-03	2.3E-05	6.4E-03	8.7E-08	2.1E-06	0	2.3E-06	3.5E-07	4.83E-06	4.8	0.001273
residential	488030.6	3617725	3.7E-03	6.2E-04	4.1E-05	1.2E-03	1.4E-04	6.4E-03	8.6E-08	2.1E-06	0	2.3E-06	3.5E-07	4.82E-06	4.8	0.001271
residential	485530.6	3619525	2.3E-03	1.2E-03	9.3E-05	2.1E-03	2.9E-05	6.4E-03	8.6E-08	2.1E-06	0	2.3E-06	3.5E-07	4.82E-06	4.8	0.00127
residential	487430.6	3618325	3.4E-03	7.1E-04	4.8E-05	1.3E-03	1.0E-04	6.3E-03	8.6E-08	2.1E-06	0	2.3E-06	3.5E-07	4.81E-06	4.8	0.001267
residential	485230.6	3619225	2.0E-03	1.6E-03	1.2E-04	2.0E-03	2.2E-05	6.3E-03	8.6E-08	2.1E-06	0	2.3E-06	3.5E-07	4.81E-06	4.8	0.001267
residential	487330.6	3618725	3.6E-03	7.1E-04	4.7E-05	1.2E-03	8.7E-05	6.3E-03	8.6E-08	2.1E-06	0	2.3E-06	3.5E-07	4.81E-06	4.8	0.001267
residential	487930.6	3616925	4.3E-03	5.6E-04	3.0E-05	9.6E-04	1.4E-04	6.3E-03	8.6E-08	2.1E-06	0	2.3E-06	3.5E-07	4.8E-06	4.8	0.001266
residential	487330.6	3618825	3.7E-03	7.0E-04	4.7E-05	1.2E-03	8.2E-05	6.3E-03	8.6E-08	2.1E-06	0	2.3E-06	3.5E-07	4.8E-06	4.8	0.001265
residential	485030.6	3619025	2.0E-03	1.9E-03	1.4E-04	1.7E-03	1.8E-05	6.3E-03	8.6E-08	2.1E-06	0	2.3E-06	3.5E-07	4.79E-06	4.8	0.001263
residential	487230.6	3619325	3.8E-03	6.4E-04	4.2E-05	1.1E-03	5.6E-05	6.3E-03	8.6E-08	2.1E-06	0	2.3E-06	3.5E-07	4.79E-06	4.8	0.001263
residential	486030.6	3619825	2.8E-03	9.6E-04	6.8E-05	1.8E-03	4.0E-05	6.3E-03	8.6E-08	2.1E-06	0	2.3E-06	3.5E-07	4.79E-06	4.8	0.001262
residential	487230.6	3619225	3.9E-03	6.4E-04	4.2E-05	1.1E-03	5.6E-05	6.3E-03	8.6E-08	2.1E-06	0	2.3E-06	3.5E-07	4.78E-06	4.8	0.00126
residential	483430.6	3618125	2.0E-03	2.6E-03	1.9E-04	1.0E-03	1.9E-05	6.3E-03	8.6E-08	2.1E-06	0	2.3E-06	3.5E-07	4.78E-06	4.8	0.001259
residential	485130.6	3619125	2.0E-03	1.8E-03	1.3E-04	1.9E-03	2.0E-05	6.3E-03	8.6E-08	2.1E-06	0	2.3E-06	3.5E-07	4.78E-06	4.8	0.001258
residential	487330.6	3618925	3.7E-03	6.9E-04	4.6E-05	1.2E-03	7.6E-05	6.3E-03	8.5E-08	2.1E-06	0	2.3E-06	3.5E-07	4.76E-06	4.8	0.001254
residential	488230.6	3617325	3.9E-03	5.8E-04	3.5E-05	1.1E-03	1.2E-04	6.2E-03	8.5E-08	2.1E-06	0	2.3E-06	3.4E-07	4.74E-06	4.7	0.00125
residential	483230.6	3617725	2.3E-03	2.1E-03	1.4E-04	1.3E-03	2.3E-05	6.2E-03	8.5E-08	2.1E-06	0	2.3E-06	3.4E-07	4.74E-06	4.7	0.001249
residential	487230.6	3619125	3.9E-03	6.4E-04	4.2E-05	1.0E-03	5.7E-05	6.2E-03	8.5E-08	2.1E-06	0	2.3E-06	3.4E-07	4.74E-06	4.7	0.001248
residential	488130.6	3617625	3.7E-03	6.0E-04	3.9E-05	1.2E-03	1.1E-04	6.2E-03	8.5E-08	2E-06	0	2.3E-06	3.4E-07	4.74E-06	4.7	0.001248
residential	485630.6	3619625	2.4E-03	1.2E-03	8.5E-05	2.0E-03	3.1E-05	6.2E-03	8.5E-08	2E-06	0	2.3E-06	3.4E-07	4.73E-06	4.7	0.001247
residential	488030.6	3617825	3.6E-03	6.3E-04	4.0E-05	1.2E-03	1.3E-04	6.2E-03	8.5E-08	2E-06	0	2.3E-06	3.4E-07	4.73E-06	4.7	0.001247
residential	483330.6	3617925	2.2E-03	2.3E-03	1.6E-04	1.2E-03	2.1E-05	6.2E-03	8.5E-08	2E-06	0	2.3E-06	3.4E-07	4.73E-06	4.7	0.001247
residential	487930.6	3617925	3.5E-03	6.4E-04	4.2E-05	1.3E-03	1.3E-04	6.2E-03	8.5E-08	2E-06	0	2.3E-06	3.4E-07	4.73E-06	4.7	0.001247
residential	487130.6	3619425	3.8E-03	6.2E-04	4.1E-05	1.1E-03	4.9E-05	6.2E-03	8.4E-08	2E-06	0	2.2E-06	3.4E-07	4.71E-06	4.7	0.001242
residential	488230.6	3617225	4.0E-03	5.7E-04	3.4E-05	1.0E-03	1.2E-04	6.2E-03	8.4E-08	2E-06	0	2.2E-06	3.4E-07	4.7E-06	4.7	0.001239
residential	488130.6	3617025	4.1E-03	5.6E-04	3.0E-05	9.6E-04	1.2E-04	6.2E-03	8.4E-08	2E-06	0	2.2E-06	3.4E-07	4.7E-06	4.7	0.001238
residential	487430.6	3618425	3.4E-03	7.1E-04	4.7E-05	1.3E-03	9.7E-05	6.2E-03	8.4E-08	2E-06	0	2.2E-06	3.4E-07	4.69E-06	4.7	0.001236
residential	485730.6	3619725	2.5E-03	1.1E-03	7.9E-05	1.9E-03	3.2E-05	6.2E-03	8.4E-08	2E-06	0	2.2E-06	3.4E-07	4.68E-06	4.7	0.001234
residential	487530.6	3618225	3.4E-03	6.8E-04	4.6E-05	1.3E-03	1.0E-04	6.2E-03	8.4E-08	2E-06	0	2.2E-06	3.4E-07	4.68E-06	4.7	0.001233
residential	487330.6	3619225	3.7E-03	6.4E-04	4.3E-05	1.1E-03	6.1E-05	6.1E-03	8.4E-08	2E-06	0	2.2E-06	3.4E-07	4.66E-06	4.7	0.001229
residential	485930.6	3619825	2.6E-03	9.9E-04	7.1E-05	1.8E-03	3.6E-05	6.1E-03	8.3E-08	2E-06	0	2.2E-06	3.4E-07	4.66E-06	4.7	0.001228
residential	483330.6	3618025	2.1E-03	2.4E-03	1.7E-04	1.1E-03	1.9E-05	6.1E-03	8.3E-08	2E-06	0	2.2E-06	3.4E-07	4.65E-06	4.6	0.001224
residential	488130.6	3617725	3.6E-03	6.1E-04	3.9E-05	1.2E-03	1.2E-04	6.1E-03	8.3E-08	2E-06	0	2.2E-06	3.4E-07	4.64E-06	4.6	0.001224
residential	488230.6	3617525	3.7E-03	5.9E-04	3.7E-05	1.1E-03	1.0E-04	6.1E-03	8.3E-08	2E-06	0	2.2E-06	3.4E-07	4.64E-06	4.6	0.001223
residential	484830.6	3618925	1.9E-03	2.2E-03	1.7E-04	1.2E-03	1.5E-05	6.1E-03	8.3E-08	2E-06	0	2.2E-06	3.4E-07	4.63E-06	4.6	0.001219
residential	488030.6	3616925	4.1E-03	5.5E-04	2.9E-05	8.9E-04	1.2E-04	6.1E-03	8.3E-08	2E-06	0	2.2E-06	3.4E-07	4.62E-06	4.6	0.001217
residential	487230.6	3619425	3.7E-03	6.2E-04	4.1E-05	1.1E-03	5.0E-05	6.1E-03	8.3E-08	2E-06	0	2.2E-06	3.3E-07	4.62E-06	4.6	0.001217
residential	483230.6	3617825	2.2E-03	2.2E-03	1.5E-04	1.2E-03	2.2E-05	6.1E-03	8.2E-08	2E-06	0	2.2E-06	3.3E-07	4.6E-06	4.6	0.001212
residential	487330.6	3619025	3.7E-03	6.5E-04	4.3E-05	1.0E-03	6.4E-05	6.1E-03	8.2E-08	2E-06	0	2.2E-06	3.3E-07	4.6E-06	4.6	0.001211
residential	487430.6	3618525	3.4E-03	7.1E-04	4.7E-05	1.2E-03	9.2E-05	6.1E-03	8.2E-08	2E-06	0	2.2E-06	3.3E-07	4.6E-06	4.6	0.001211
residential	488030.6	3617925	3.4E-03	6.3E-04	4.0E-05	1.2E-03	1.2E-04	6.0E-03	8.2E-08	2E-06	0	2.2E-06	3.3E-07	4.57E-06	4.6	0.001204
residential	483330.6	3618125	1.9E-03	2.6E-03	1.8E-04	9.3E-04	1.8E-05	6.0E-03	8.2E-08	2E-06	0	2.2E-06	3.3E-07	4.57E-06	4.6	0.001203
residential	483330.6	3618225	1.9E-03	2.7E-03	1.9E-04	8.2E-04	1.6E-05	6.0E-03	8.2E-08	2E-06	0	2.2E-06	3.3E-07	4.55E-06	4.5	0.001199

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	488330.6	3617225	3.9E-03	5.6E-04	3.2E-05	9.9E-04	1.0E-04	6.0E-03	8.1E-08	2E-06	0	2.2E-06	3.3E-07	4.55E-06	4.5	0.001198
residential	487430.6	3618625	3.4E-03	7.0E-04	4.6E-05	1.2E-03	8.7E-05	6.0E-03	8.1E-08	2E-06	0	2.2E-06	3.3E-07	4.55E-06	4.5	0.001197
residential	488230.6	3617625	3.6E-03	5.9E-04	3.8E-05	1.1E-03	9.8E-05	6.0E-03	8.1E-08	2E-06	0	2.2E-06	3.3E-07	4.54E-06	4.5	0.001197
residential	483130.6	3617725	2.2E-03	2.0E-03	1.3E-04	1.2E-03	2.2E-05	6.0E-03	8.1E-08	2E-06	0	2.2E-06	3.3E-07	4.54E-06	4.5	0.001197
residential	487530.6	3618325	3.3E-03	6.9E-04	4.6E-05	1.2E-03	9.8E-05	6.0E-03	8.1E-08	2E-06	0	2.2E-06	3.3E-07	4.54E-06	4.5	0.001197
residential	488330.6	3617325	3.8E-03	5.6E-04	3.5E-05	1.0E-03	1.0E-04	6.0E-03	8.1E-08	2E-06	0	2.2E-06	3.3E-07	4.54E-06	4.5	0.001197
residential	484930.6	3619025	1.9E-03	2.0E-03	1.5E-04	1.3E-03	1.5E-05	6.0E-03	8.1E-08	2E-06	0	2.2E-06	3.3E-07	4.54E-06	4.5	0.001195
residential	487930.6	3618025	3.3E-03	6.5E-04	4.1E-05	1.2E-03	1.2E-04	6.0E-03	8.1E-08	2E-06	0	2.2E-06	3.3E-07	4.53E-06	4.5	0.001195
residential	488230.6	3617025	3.9E-03	5.4E-04	3.0E-05	9.3E-04	1.1E-04	5.9E-03	8.1E-08	2E-06	0	2.2E-06	3.3E-07	4.52E-06	4.5	0.00119
residential	485430.6	3619525	2.1E-03	1.3E-03	9.7E-05	1.9E-03	2.4E-05	5.9E-03	8.1E-08	2E-06	0	2.2E-06	3.3E-07	4.52E-06	4.5	0.00119
residential	483230.6	3617925	2.1E-03	2.3E-03	1.6E-04	1.1E-03	2.0E-05	5.9E-03	8.1E-08	2E-06	0	2.2E-06	3.3E-07	4.51E-06	4.5	0.001189
residential	487330.6	3619125	3.7E-03	6.3E-04	4.1E-05	9.7E-04	5.7E-05	5.9E-03	8.1E-08	1.9E-06	0	2.1E-06	3.3E-07	4.5E-06	4.5	0.001186
residential	487430.6	3618725	3.4E-03	6.9E-04	4.6E-05	1.1E-03	8.2E-05	5.9E-03	8.1E-08	1.9E-06	0	2.1E-06	3.3E-07	4.5E-06	4.5	0.001185
residential	486030.6	3619925	2.6E-03	9.3E-04	6.6E-05	1.7E-03	3.6E-05	5.9E-03	8.1E-08	1.9E-06	0	2.1E-06	3.3E-07	4.5E-06	4.5	0.001184
residential	485330.6	3619425	2.0E-03	1.4E-03	1.1E-04	1.9E-03	2.2E-05	5.9E-03	8E-08	1.9E-06	0	2.1E-06	3.3E-07	4.49E-06	4.5	0.001184
residential	485830.6	3619825	2.5E-03	1.0E-03	7.3E-05	1.7E-03	3.2E-05	5.9E-03	8E-08	1.9E-06	0	2.1E-06	3.3E-07	4.48E-06	4.5	0.001181
residential	487430.6	3618825	3.4E-03	6.8E-04	4.5E-05	1.1E-03	7.8E-05	5.9E-03	8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.48E-06	4.5	0.00118
residential	488230.6	3617725	3.5E-03	6.0E-04	3.8E-05	1.1E-03	9.9E-05	5.9E-03	8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.48E-06	4.5	0.00118
residential	487430.6	3618925	3.5E-03	6.7E-04	4.4E-05	1.1E-03	7.4E-05	5.9E-03	8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.47E-06	4.5	0.001178
residential	488330.6	3617125	3.9E-03	5.5E-04	3.1E-05	9.5E-04	1.0E-04	5.9E-03	8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.47E-06	4.5	0.001178
residential	488130.6	3616925	4.0E-03	5.4E-04	2.8E-05	8.6E-04	1.1E-04	5.9E-03	8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.47E-06	4.5	0.001178
residential	485530.6	3619625	2.2E-03	1.2E-03	8.9E-05	1.8E-03	2.6E-05	5.9E-03	8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.47E-06	4.5	0.001177
residential	487430.6	3619125	3.5E-03	6.4E-04	4.3E-05	1.1E-03	6.6E-05	5.9E-03	8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.46E-06	4.5	0.001175
residential	488330.6	3617525	3.6E-03	5.7E-04	3.6E-05	1.1E-03	9.2E-05	5.9E-03	8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.45E-06	4.5	0.001174
residential	487430.6	3619025	3.5E-03	6.5E-04	4.4E-05	1.1E-03	6.9E-05	5.9E-03	8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.45E-06	4.5	0.001173
residential	485230.6	3619325	1.9E-03	1.5E-03	1.2E-04	1.8E-03	2.0E-05	5.9E-03	8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.45E-06	4.5	0.001173
residential	487630.6	3618225	3.2E-03	6.6E-04	4.5E-05	1.2E-03	1.0E-04	5.9E-03	8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.45E-06	4.5	0.001173
residential	487530.6	3618425	3.2E-03	6.9E-04	4.6E-05	1.2E-03	9.4E-05	5.9E-03	8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.45E-06	4.4	0.001171
residential	487430.6	3619225	3.5E-03	6.3E-04	4.2E-05	1.1E-03	6.2E-05	5.8E-03	8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.44E-06	4.4	0.00117
residential	483230.6	3618025	2.0E-03	2.4E-03	1.7E-04	9.7E-04	1.8E-05	5.8E-03	8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.44E-06	4.4	0.00117
residential	487330.6	3619325	3.6E-03	6.1E-04	4.0E-05	1.0E-03	5.2E-05	5.8E-03	8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.44E-06	4.4	0.00117
residential	484730.6	3618925	1.8E-03	2.3E-03	1.8E-04	9.8E-04	1.4E-05	5.8E-03	7.9E-08	1.9E-06	0	2.1E-06	3.2E-07	4.44E-06	4.4	0.001169
residential	485030.6	3619125	1.9E-03	1.8E-03	1.4E-04	1.5E-03	1.7E-05	5.8E-03	7.9E-08	1.9E-06	0	2.1E-06	3.2E-07	4.42E-06	4.4	0.001164
residential	483130.6	3617825	2.1E-03	2.1E-03	1.4E-04	1.1E-03	2.0E-05	5.8E-03	7.9E-08	1.9E-06	0	2.1E-06	3.2E-07	4.41E-06	4.4	0.001163
residential	485630.6	3619725	2.3E-03	1.1E-03	8.2E-05	1.8E-03	2.8E-05	5.8E-03	7.9E-08	1.9E-06	0	2.1E-06	3.2E-07	4.41E-06	4.4	0.001163
residential	485130.6	3619225	1.9E-03	1.7E-03	1.3E-04	1.6E-03	1.8E-05	5.8E-03	7.9E-08	1.9E-06	0	2.1E-06	3.2E-07	4.41E-06	4.4	0.001162
residential	488330.6	3617625	3.5E-03	5.8E-04	3.6E-05	1.1E-03	8.8E-05	5.8E-03	7.9E-08	1.9E-06	0	2.1E-06	3.2E-07	4.4E-06	4.4	0.001158
residential	488030.6	3616825	3.9E-03	5.3E-04	2.8E-05	8.3E-04	1.0E-04	5.8E-03	7.8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.38E-06	4.4	0.001153
residential	483230.6	3618125	1.9E-03	2.5E-03	1.8E-04	8.6E-04	1.7E-05	5.8E-03	7.8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.37E-06	4.4	0.001152
residential	488030.6	3618025	3.2E-03	6.3E-04	4.0E-05	1.1E-03	1.1E-04	5.8E-03	7.8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.37E-06	4.4	0.001152
residential	488430.6	3617225	3.8E-03	5.5E-04	3.0E-05	9.4E-04	9.1E-05	5.8E-03	7.8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.37E-06	4.4	0.001151
residential	485730.6	3619825	2.4E-03	1.1E-03	7.6E-05	1.7E-03	2.9E-05	5.7E-03	7.8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.37E-06	4.4	0.00115
residential	487530.6	3618525	3.2E-03	6.9E-04	4.5E-05	1.1E-03	8.8E-05	5.7E-03	7.8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.36E-06	4.4	0.001149
residential	488330.6	3617025	3.9E-03	5.4E-04	2.8E-05	8.9E-04	9.5E-05	5.7E-03	7.8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.36E-06	4.4	0.001148
residential	483030.6	3617725	2.1E-03	2.0E-03	1.3E-04	1.1E-03	2.1E-05	5.7E-03	7.8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.35E-06	4.4	0.001146
residential	488430.6	3617425	3.8E-03	5.6E-04	2.9E-05	9.2E-04	8.5E-05	5.7E-03	7.8E-08	1.9E-06	0	2.1E-06	3.2E-07	4.35E-06	4.4	0.001146
residential	487430.6	3619325	3.5E-03	6.1E-04	4.0E-05	1.0E-03	5.6E-05	5.7E-03	7.8E-08	1.9E-06	0	2.1E-06	3.1E-07	4.34E-06	4.3	0.001144
residential	487630.6	3618325	3.1E-03	6.7E-04	4.5E-05	1.2E-03	9.6E-05	5.7E-03	7.8E-08	1.9E-06	0	2.1E-06	3.1E-07	4.34E-06	4.3	0.001143
residential	484830.6	3619025	1.8E-03	2.1E-03	1.6E-04	1.1E-03	1.3E-05	5.7E-03	7.8E-08	1.9E-06	0	2.1E-06	3.1E-07	4.34E-06	4.3	0.001142
residential	488430.6	3617525	3.7E-03	5.7E-04	2.9E-05	9.4E-04	8.0E-05	5.7E-03	7.8E-08	1.9E-06	0	2.1E-06	3.1E-07	4.33E-06	4.3	0.001142
residential	488230.6	3616925	3.9E-03	5.3E-04	2.8E-05	8.3E-04	9.7E-05	5.7E-03	7.7E-08	1.9E-06	0	2.1E-06	3.1E-07	4.32E-06	4.3	0.001138

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	483230.6	3618225	1.8E-03	2.6E-03	1.9E-04	7.7E-04	1.5E-05	5.7E-03	7.7E-08	1.9E-06	0	2.1E-06	3.1E-07	4.32E-06	4.3	0.001138
residential	483130.6	3617925	2.0E-03	2.2E-03	1.5E-04	9.8E-04	1.9E-05	5.7E-03	7.7E-08	1.9E-06	0	2.1E-06	3.1E-07	4.32E-06	4.3	0.001138
residential	488330.6	3617725	3.4E-03	5.9E-04	3.6E-05	1.1E-03	8.6E-05	5.7E-03	7.7E-08	1.9E-06	0	2E-06	3.1E-07	4.3E-06	4.3	0.001132
residential	487530.6	3618625	3.2E-03	6.8E-04	4.5E-05	1.1E-03	8.3E-05	5.7E-03	7.7E-08	1.9E-06	0	2E-06	3.1E-07	4.29E-06	4.3	0.00113
residential	487430.6	3619425	3.4E-03	6.0E-04	3.9E-05	1.0E-03	5.2E-05	5.6E-03	7.7E-08	1.9E-06	0	2E-06	3.1E-07	4.28E-06	4.3	0.001128
residential	485930.6	3619925	2.5E-03	9.4E-04	6.7E-05	1.5E-03	3.2E-05	5.6E-03	7.7E-08	1.9E-06	0	2E-06	3.1E-07	4.28E-06	4.3	0.001128
residential	488430.6	3617125	3.8E-03	5.4E-04	2.7E-05	8.4E-04	8.9E-05	5.6E-03	7.7E-08	1.8E-06	0	2E-06	3.1E-07	4.27E-06	4.3	0.001125
residential	487730.6	3618225	3.1E-03	6.5E-04	4.4E-05	1.1E-03	9.8E-05	5.6E-03	7.6E-08	1.8E-06	0	2E-06	3.1E-07	4.27E-06	4.3	0.001124
residential	483130.6	3618025	1.9E-03	2.3E-03	1.6E-04	9.0E-04	1.7E-05	5.6E-03	7.6E-08	1.8E-06	0	2E-06	3.1E-07	4.26E-06	4.3	0.001123
residential	488130.6	3616825	3.8E-03	5.3E-04	2.7E-05	8.1E-04	9.2E-05	5.6E-03	7.6E-08	1.8E-06	0	2E-06	3.1E-07	4.26E-06	4.3	0.001121
residential	488430.6	3617625	3.6E-03	5.8E-04	3.0E-05	9.5E-04	7.7E-05	5.6E-03	7.6E-08	1.8E-06	0	2E-06	3.1E-07	4.25E-06	4.3	0.001121
residential	487930.6	3618125	3.1E-03	6.4E-04	4.2E-05	1.1E-03	1.1E-04	5.6E-03	7.6E-08	1.8E-06	0	2E-06	3.1E-07	4.24E-06	4.2	0.001118
residential	483030.6	3617825	2.0E-03	2.1E-03	1.4E-04	1.0E-03	1.9E-05	5.6E-03	7.6E-08	1.8E-06	0	2E-06	3.1E-07	4.24E-06	4.2	0.001116
residential	488330.6	3617825	3.4E-03	5.9E-04	3.4E-05	1.0E-03	8.4E-05	5.6E-03	7.6E-08	1.8E-06	0	2E-06	3.1E-07	4.24E-06	4.2	0.001116
residential	484930.6	3619125	1.8E-03	1.9E-03	1.4E-04	1.2E-03	1.4E-05	5.6E-03	7.6E-08	1.8E-06	0	2E-06	3.1E-07	4.23E-06	4.2	0.001116
residential	487530.6	3618725	3.2E-03	6.7E-04	4.4E-05	1.0E-03	7.8E-05	5.6E-03	7.6E-08	1.8E-06	0	2E-06	3.1E-07	4.23E-06	4.2	0.001115
residential	487630.6	3618425	3.1E-03	6.7E-04	4.4E-05	1.1E-03	9.0E-05	5.6E-03	7.6E-08	1.8E-06	0	2E-06	3.1E-07	4.22E-06	4.2	0.001113
residential	488330.6	3616925	3.8E-03	5.2E-04	2.5E-05	8.0E-04	8.7E-05	5.6E-03	7.6E-08	1.8E-06	0	2E-06	3.1E-07	4.22E-06	4.2	0.001111
residential	487330.6	3619425	3.5E-03	5.8E-04	3.7E-05	9.3E-04	4.5E-05	5.5E-03	7.5E-08	1.8E-06	0	2E-06	3.1E-07	4.21E-06	4.2	0.00111
residential	483130.6	3618325	1.7E-03	2.8E-03	1.8E-04	6.3E-04	1.3E-05	5.5E-03	7.5E-08	1.8E-06	0	2E-06	3E-07	4.2E-06	4.2	0.001107
residential	487530.6	3618825	3.2E-03	6.6E-04	4.4E-05	1.0E-03	7.4E-05	5.5E-03	7.5E-08	1.8E-06	0	2E-06	3E-07	4.2E-06	4.2	0.001107
residential	483130.6	3618125	1.8E-03	2.4E-03	1.7E-04	8.0E-04	1.6E-05	5.5E-03	7.5E-08	1.8E-06	0	2E-06	3E-07	4.2E-06	4.2	0.001107
residential	485430.6	3619625	2.0E-03	1.2E-03	9.3E-05	1.7E-03	2.2E-05	5.5E-03	7.5E-08	1.8E-06	0	2E-06	3E-07	4.2E-06	4.2	0.001106
residential	487530.6	3618925	3.2E-03	6.5E-04	4.3E-05	9.9E-04	7.0E-05	5.5E-03	7.5E-08	1.8E-06	0	2E-06	3E-07	4.19E-06	4.2	0.001104
residential	484730.6	3619025	1.7E-03	2.2E-03	1.7E-04	9.0E-04	1.2E-05	5.5E-03	7.5E-08	1.8E-06	0	2E-06	3E-07	4.19E-06	4.2	0.001104
residential	487530.6	3619025	3.3E-03	6.4E-04	4.2E-05	9.7E-04	6.6E-05	5.5E-03	7.5E-08	1.8E-06	0	2E-06	3E-07	4.18E-06	4.2	0.001102
residential	488130.6	3618025	3.1E-03	6.2E-04	3.9E-05	1.1E-03	1.0E-04	5.5E-03	7.5E-08	1.8E-06	0	2E-06	3E-07	4.18E-06	4.2	0.001102
residential	485330.6	3619525	2.0E-03	1.3E-03	1.0E-04	1.7E-03	2.0E-05	5.5E-03	7.5E-08	1.8E-06	0	2E-06	3E-07	4.18E-06	4.2	0.001102
residential	485230.6	3619425	1.9E-03	1.5E-03	1.1E-04	1.6E-03	1.9E-05	5.5E-03	7.5E-08	1.8E-06	0	2E-06	3E-07	4.18E-06	4.2	0.0011
residential	485530.6	3619725	2.1E-03	1.1E-03	8.5E-05	1.6E-03	2.4E-05	5.5E-03	7.5E-08	1.8E-06	0	2E-06	3E-07	4.17E-06	4.2	0.001099
residential	488530.6	3617425	3.6E-03	5.5E-04	2.8E-05	8.8E-04	7.6E-05	5.5E-03	7.5E-08	1.8E-06	0	2E-06	3E-07	4.17E-06	4.2	0.001098
residential	488030.6	3618125	3.1E-03	6.3E-04	4.0E-05	1.1E-03	1.0E-04	5.5E-03	7.5E-08	1.8E-06	0	2E-06	3E-07	4.17E-06	4.2	0.001098
residential	488430.6	3617725	3.5E-03	5.8E-04	3.0E-05	9.5E-04	7.4E-05	5.5E-03	7.5E-08	1.8E-06	0	2E-06	3E-07	4.16E-06	4.2	0.001096
residential	486030.6	3620025	2.5E-03	8.9E-04	6.3E-05	1.5E-03	3.3E-05	5.5E-03	7.4E-08	1.8E-06	0	2E-06	3E-07	4.16E-06	4.2	0.001095
residential	483130.6	3618225	1.7E-03	2.6E-03	1.8E-04	7.1E-04	1.4E-05	5.5E-03	7.4E-08	1.8E-06	0	2E-06	3E-07	4.16E-06	4.2	0.001095
residential	487530.6	3619125	3.3E-03	6.2E-04	4.1E-05	9.5E-04	6.2E-05	5.5E-03	7.4E-08	1.8E-06	0	2E-06	3E-07	4.15E-06	4.2	0.001094
residential	487630.6	3618525	3.0E-03	6.7E-04	4.4E-05	1.1E-03	8.5E-05	5.5E-03	7.4E-08	1.8E-06	0	2E-06	3E-07	4.14E-06	4.1	0.001092
residential	483030.6	3617925	1.9E-03	2.2E-03	1.5E-04	9.0E-04	1.8E-05	5.5E-03	7.4E-08	1.8E-06	0	2E-06	3E-07	4.14E-06	4.1	0.001092
residential	485630.6	3619825	2.2E-03	1.1E-03	7.8E-05	1.6E-03	2.5E-05	5.5E-03	7.4E-08	1.8E-06	0	2E-06	3E-07	4.14E-06	4.1	0.001091
residential	487730.6	3618325	3.0E-03	6.5E-04	4.3E-05	1.1E-03	9.3E-05	5.5E-03	7.4E-08	1.8E-06	0	2E-06	3E-07	4.14E-06	4.1	0.001091
residential	488230.6	3616825	3.7E-03	5.2E-04	2.6E-05	7.8E-04	8.5E-05	5.5E-03	7.4E-08	1.8E-06	0	2E-06	3E-07	4.14E-06	4.1	0.001091
residential	488530.6	3617525	3.5E-03	5.6E-04	2.9E-05	8.9E-04	7.3E-05	5.4E-03	7.4E-08	1.8E-06	0	2E-06	3E-07	4.13E-06	4.1	0.001089
residential	487530.6	3619225	3.3E-03	6.0E-04	4.0E-05	9.3E-04	5.8E-05	5.4E-03	7.4E-08	1.8E-06	0	2E-06	3E-07	4.12E-06	4.1	0.001085
residential	485030.6	3619225	1.8E-03	1.7E-03	1.3E-04	1.3E-03	1.6E-05	5.4E-03	7.4E-08	1.8E-06	0	2E-06	3E-07	4.12E-06	4.1	0.001085
residential	488530.6	3617625	3.5E-03	5.6E-04	2.6E-05	9.0E-04	6.9E-05	5.4E-03	7.4E-08	1.8E-06	0	2E-06	3E-07	4.12E-06	4.1	0.001084
residential	485130.6	3619325	1.8E-03	1.6E-03	1.2E-04	1.5E-03	1.7E-05	5.4E-03	7.4E-08	1.8E-06	0	2E-06	3E-07	4.11E-06	4.1	0.001083
residential	488130.6	3616725	3.7E-03	5.1E-04	2.3E-05	7.5E-04	7.6E-05	5.4E-03	7.3E-08	1.8E-06	0	2E-06	3E-07	4.1E-06	4.1	0.00108
residential	487830.6	3618225	3.0E-03	6.4E-04	4.2E-05	1.1E-03	9.5E-05	5.4E-03	7.3E-08	1.8E-06	0	2E-06	3E-07	4.1E-06	4.1	0.00108
residential	483030.6	3618025	1.8E-03	2.3E-03	1.5E-04	8.3E-04	1.6E-05	5.4E-03	7.3E-08	1.8E-06	0	2E-06	3E-07	4.1E-06	4.1	0.001079
residential	484630.6	3619025	1.7E-03	2.3E-03	1.8E-04	7.6E-04	1.1E-05	5.4E-03	7.3E-08	1.8E-06	0	2E-06	3E-07	4.09E-06	4.1	0.001078
residential	485830.6	3619925	2.4E-03	9.5E-04	6.8E-05	1.4E-03	2.8E-05	5.4E-03	7.3E-08	1.8E-06	0	1.9E-06	3E-07	4.09E-06	4.1	0.001076

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	484830.6	3619125	1.7E-03	2.0E-03	1.5E-04	9.9E-04	1.3E-05	5.4E-03	7.3E-08	1.8E-06	0	1.9E-06	3E-07	4.08E-06	4.1	0.001074
residential	482930.6	3617825	1.9E-03	2.1E-03	1.3E-04	9.2E-04	1.8E-05	5.4E-03	7.3E-08	1.8E-06	0	1.9E-06	3E-07	4.07E-06	4.1	0.001072
residential	487630.6	3618625	3.0E-03	6.6E-04	4.3E-05	1.0E-03	8.0E-05	5.4E-03	7.3E-08	1.8E-06	0	1.9E-06	2.9E-07	4.06E-06	4.1	0.00107
residential	488430.6	3617825	3.3E-03	5.8E-04	3.0E-05	9.5E-04	7.3E-05	5.3E-03	7.3E-08	1.8E-06	0	1.9E-06	2.9E-07	4.06E-06	4.1	0.00107
residential	488330.6	3617925	3.1E-03	5.9E-04	3.5E-05	1.0E-03	8.3E-05	5.3E-03	7.3E-08	1.8E-06	0	1.9E-06	2.9E-07	4.06E-06	4.1	0.001069
residential	487530.6	3619425	3.3E-03	5.8E-04	3.8E-05	9.2E-04	5.1E-05	5.3E-03	7.3E-08	1.8E-06	0	1.9E-06	2.9E-07	4.05E-06	4.1	0.001067
residential	483030.6	3618125	1.7E-03	2.4E-03	1.6E-04	7.5E-04	1.5E-05	5.3E-03	7.3E-08	1.8E-06	0	1.9E-06	2.9E-07	4.05E-06	4.0	0.001067
residential	488430.6	3616925	3.6E-03	5.1E-04	2.6E-05	7.7E-04	8.0E-05	5.3E-03	7.2E-08	1.7E-06	0	1.9E-06	2.9E-07	4.04E-06	4.0	0.001064
residential	485730.6	3619925	2.3E-03	1.0E-03	7.2E-05	1.5E-03	2.6E-05	5.3E-03	7.2E-08	1.7E-06	0	1.9E-06	2.9E-07	4.04E-06	4.0	0.001064
residential	484530.6	3619025	1.6E-03	2.4E-03	1.9E-04	6.5E-04	1.1E-05	5.3E-03	7.2E-08	1.7E-06	0	1.9E-06	2.9E-07	4.04E-06	4.0	0.001063
residential	487730.6	3618425	2.9E-03	6.5E-04	4.3E-05	1.0E-03	8.7E-05	5.3E-03	7.2E-08	1.7E-06	0	1.9E-06	2.9E-07	4.03E-06	4.0	0.001062
residential	487930.6	3618225	2.9E-03	6.3E-04	4.1E-05	1.1E-03	9.5E-05	5.3E-03	7.2E-08	1.7E-06	0	1.9E-06	2.9E-07	4.03E-06	4.0	0.001061
residential	487530.6	3619325	3.3E-03	5.8E-04	3.8E-05	8.8E-04	5.1E-05	5.3E-03	7.2E-08	1.7E-06	0	1.9E-06	2.9E-07	4.01E-06	4.0	0.001058
residential	485530.6	3619825	2.1E-03	1.1E-03	8.3E-05	1.6E-03	2.3E-05	5.3E-03	7.2E-08	1.7E-06	0	1.9E-06	2.9E-07	4.01E-06	4.0	0.001056
residential	487630.6	3618725	3.0E-03	6.5E-04	4.3E-05	9.7E-04	7.5E-05	5.3E-03	7.2E-08	1.7E-06	0	1.9E-06	2.9E-07	4.01E-06	4.0	0.001056
residential	488330.6	3616825	3.6E-03	5.1E-04	2.6E-05	7.6E-04	7.8E-05	5.3E-03	7.2E-08	1.7E-06	0	1.9E-06	2.9E-07	4.01E-06	4.0	0.001056
residential	483030.6	3618225	1.6E-03	2.5E-03	1.7E-04	6.7E-04	1.4E-05	5.3E-03	7.2E-08	1.7E-06	0	1.9E-06	2.9E-07	4.01E-06	4.0	0.001056
residential	488530.6	3617725	3.3E-03	5.7E-04	2.9E-05	9.0E-04	6.6E-05	5.3E-03	7.2E-08	1.7E-06	0	1.9E-06	2.9E-07	3.99E-06	4.0	0.001052
residential	485930.6	3620025	2.4E-03	9.0E-04	6.4E-05	1.4E-03	2.9E-05	5.3E-03	7.1E-08	1.7E-06	0	1.9E-06	2.9E-07	3.99E-06	4.0	0.001051
residential	488130.6	3618125	2.9E-03	6.1E-04	3.9E-05	1.0E-03	9.3E-05	5.2E-03	7.1E-08	1.7E-06	0	1.9E-06	2.9E-07	3.98E-06	4.0	0.001049
residential	488630.6	3617125	3.4E-03	5.2E-04	3.0E-05	8.4E-04	7.4E-05	5.2E-03	7.1E-08	1.7E-06	0	1.9E-06	2.9E-07	3.98E-06	4.0	0.001048
residential	482930.6	3617925	1.8E-03	2.1E-03	1.4E-04	8.4E-04	1.7E-05	5.2E-03	7.1E-08	1.7E-06	0	1.9E-06	2.9E-07	3.98E-06	4.0	0.001048
residential	487630.6	3618825	3.0E-03	6.4E-04	4.2E-05	9.4E-04	7.1E-05	5.2E-03	7.1E-08	1.7E-06	0	1.9E-06	2.9E-07	3.97E-06	4.0	0.001046
residential	487630.6	3618925	3.1E-03	6.3E-04	4.2E-05	9.3E-04	6.8E-05	5.2E-03	7.1E-08	1.7E-06	0	1.9E-06	2.9E-07	3.97E-06	4.0	0.001045
residential	483030.6	3618325	1.6E-03	2.6E-03	1.8E-04	6.0E-04	1.2E-05	5.2E-03	7.1E-08	1.7E-06	0	1.9E-06	2.9E-07	3.97E-06	4.0	0.001045
residential	488230.6	3618025	3.0E-03	6.0E-04	3.8E-05	1.0E-03	8.9E-05	5.2E-03	7.1E-08	1.7E-06	0	1.9E-06	2.9E-07	3.97E-06	4.0	0.001045
residential	488030.6	3618225	2.9E-03	6.3E-04	4.0E-05	1.0E-03	9.2E-05	5.2E-03	7.1E-08	1.7E-06	0	1.9E-06	2.9E-07	3.95E-06	4.0	0.001041
residential	488430.6	3617925	3.2E-03	5.8E-04	3.1E-05	9.5E-04	7.3E-05	5.2E-03	7.1E-08	1.7E-06	0	1.9E-06	2.9E-07	3.95E-06	4.0	0.001041
residential	482930.6	3618025	1.7E-03	2.2E-03	1.5E-04	7.7E-04	1.5E-05	5.2E-03	7.1E-08	1.7E-06	0	1.9E-06	2.9E-07	3.95E-06	3.9	0.00104
residential	488230.6	3616725	3.6E-03	5.0E-04	2.5E-05	7.3E-04	7.2E-05	5.2E-03	7.1E-08	1.7E-06	0	1.9E-06	2.9E-07	3.94E-06	3.9	0.001039
residential	487730.6	3618525	2.9E-03	6.5E-04	4.3E-05	1.0E-03	8.1E-05	5.2E-03	7.1E-08	1.7E-06	0	1.9E-06	2.9E-07	3.94E-06	3.9	0.001038
residential	484930.6	3619225	1.7E-03	1.8E-03	1.4E-04	1.1E-03	1.4E-05	5.2E-03	7E-08	1.7E-06	0	1.9E-06	2.8E-07	3.93E-06	3.9	0.001035
residential	485430.6	3619725	2.0E-03	1.2E-03	8.8E-05	1.5E-03	2.0E-05	5.2E-03	7E-08	1.7E-06	0	1.9E-06	2.8E-07	3.93E-06	3.9	0.001035
residential	487830.6	3618325	2.9E-03	6.3E-04	4.2E-05	1.0E-03	8.7E-05	5.2E-03	7E-08	1.7E-06	0	1.9E-06	2.8E-07	3.93E-06	3.9	0.001035
residential	484730.6	3619125	1.6E-03	2.1E-03	1.6E-04	8.3E-04	1.1E-05	5.2E-03	7E-08	1.7E-06	0	1.9E-06	2.8E-07	3.93E-06	3.9	0.001034
residential	482830.6	3617825	1.9E-03	2.0E-03	1.3E-04	8.6E-04	1.7E-05	5.2E-03	7E-08	1.7E-06	0	1.9E-06	2.8E-07	3.92E-06	3.9	0.001033
residential	482930.6	3618125	1.7E-03	2.3E-03	1.5E-04	7.0E-04	1.4E-05	5.2E-03	7E-08	1.7E-06	0	1.9E-06	2.8E-07	3.92E-06	3.9	0.001032
residential	488630.6	3617625	3.2E-03	5.5E-04	3.1E-05	9.1E-04	6.4E-05	5.2E-03	7E-08	1.7E-06	0	1.9E-06	2.8E-07	3.92E-06	3.9	0.001032
residential	485330.6	3619625	1.9E-03	1.3E-03	9.7E-05	1.5E-03	1.9E-05	5.2E-03	7E-08	1.7E-06	0	1.9E-06	2.8E-07	3.92E-06	3.9	0.001032
residential	487630.6	3619025	3.1E-03	6.1E-04	4.1E-05	8.8E-04	6.2E-05	5.1E-03	7E-08	1.7E-06	0	1.9E-06	2.8E-07	3.9E-06	3.9	0.001029
residential	488530.6	3616925	3.5E-03	5.0E-04	2.6E-05	7.5E-04	7.3E-05	5.1E-03	7E-08	1.7E-06	0	1.9E-06	2.8E-07	3.9E-06	3.9	0.001029
residential	487630.6	3619125	3.1E-03	6.0E-04	4.0E-05	8.8E-04	5.9E-05	5.1E-03	7E-08	1.7E-06	0	1.9E-06	2.8E-07	3.9E-06	3.9	0.001028
residential	488330.6	3618025	3.0E-03	5.9E-04	3.6E-05	9.7E-04	8.0E-05	5.1E-03	7E-08	1.7E-06	0	1.9E-06	2.8E-07	3.89E-06	3.9	0.001025
residential	488530.6	3617825	3.2E-03	5.7E-04	3.0E-05	9.0E-04	6.5E-05	5.1E-03	7E-08	1.7E-06	0	1.9E-06	2.8E-07	3.89E-06	3.9	0.001024
residential	488430.6	3616825	3.5E-03	5.0E-04	2.6E-05	7.3E-04	7.2E-05	5.1E-03	7E-08	1.7E-06	0	1.9E-06	2.8E-07	3.89E-06	3.9	0.001024
residential	485230.6	3619525	1.8E-03	1.4E-03	1.1E-04	1.4E-03	1.7E-05	5.1E-03	7E-08	1.7E-06	0	1.9E-06	2.8E-07	3.88E-06	3.9	0.001022
residential	488730.6	3617425	3.3E-03	5.3E-04	3.0E-05	8.6E-04	6.4E-05	5.1E-03	6.9E-08	1.7E-06	0	1.8E-06	2.8E-07	3.87E-06	3.9	0.001021
residential	487630.6	3619225	3.1E-03	5.8E-04	3.9E-05	8.5E-04	5.5E-05	5.1E-03	6.9E-08	1.7E-06	0	1.8E-06	2.8E-07	3.86E-06	3.9	0.001018
residential	487830.6	3618425	2.8E-03	6.4E-04	4.2E-05	9.9E-04	8.3E-05	5.1E-03	6.9E-08	1.7E-06	0	1.8E-06	2.8E-07	3.85E-06	3.9	0.001016
residential	487730.6	3618625	2.9E-03	6.4E-04	4.2E-05	9.5E-04	7.6E-05	5.1E-03	6.9E-08	1.7E-06	0	1.8E-06	2.8E-07	3.85E-06	3.9	0.001016
residential	487930.6	3618325	2.8E-03	6.3E-04	4.1E-05	1.0E-03	8.7E-05	5.1E-03	6.9E-08	1.7E-06	0	1.8E-06	2.8E-07	3.85E-06	3.9	0.001016

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	485030.6	3619325	1.7E-03	1.7E-03	1.3E-04	1.2E-03	1.5E-05	5.1E-03	6.9E-08	1.7E-06	0	1.8E-06	2.8E-07	3.85E-06	3.9	0.001015
residential	484630.6	3619125	1.6E-03	2.2E-03	1.7E-04	7.1E-04	1.0E-05	5.1E-03	6.9E-08	1.7E-06	0	1.8E-06	2.8E-07	3.85E-06	3.9	0.001015
residential	485630.6	3619925	2.1E-03	1.0E-03	7.4E-05	1.4E-03	2.3E-05	5.1E-03	6.9E-08	1.7E-06	0	1.8E-06	2.8E-07	3.85E-06	3.9	0.001014
residential	488630.6	3617725	3.1E-03	5.5E-04	3.0E-05	8.9E-04	6.0E-05	5.1E-03	6.9E-08	1.7E-06	0	1.8E-06	2.8E-07	3.85E-06	3.8	0.001013
residential	487630.6	3619325	3.1E-03	5.7E-04	3.8E-05	8.5E-04	5.2E-05	5.1E-03	6.9E-08	1.7E-06	0	1.8E-06	2.8E-07	3.85E-06	3.8	0.001013
residential	482830.6	3617925	1.8E-03	2.1E-03	1.4E-04	7.8E-04	1.6E-05	5.1E-03	6.9E-08	1.7E-06	0	1.8E-06	2.8E-07	3.84E-06	3.8	0.00101
residential	485130.6	3619425	1.7E-03	1.5E-03	1.2E-04	1.3E-03	1.6E-05	5.1E-03	6.9E-08	1.7E-06	0	1.8E-06	2.8E-07	3.83E-06	3.8	0.00101
residential	488330.6	3616725	3.5E-03	4.9E-04	2.5E-05	7.1E-04	6.8E-05	5.0E-03	6.9E-08	1.7E-06	0	1.8E-06	2.8E-07	3.83E-06	3.8	0.001008
residential	488730.6	3617525	3.1E-03	5.3E-04	3.1E-05	8.7E-04	6.2E-05	5.0E-03	6.8E-08	1.7E-06	0	1.8E-06	2.8E-07	3.82E-06	3.8	0.001007
residential	488430.6	3618025	3.0E-03	5.8E-04	3.1E-05	9.3E-04	7.1E-05	5.0E-03	6.8E-08	1.7E-06	0	1.8E-06	2.8E-07	3.82E-06	3.8	0.001006
residential	484530.6	3619125	1.5E-03	2.3E-03	1.8E-04	6.1E-04	9.8E-06	5.0E-03	6.8E-08	1.6E-06	0	1.8E-06	2.8E-07	3.81E-06	3.8	0.001004
residential	484830.6	3619225	1.6E-03	1.9E-03	1.4E-04	9.1E-04	1.2E-05	5.0E-03	6.8E-08	1.6E-06	0	1.8E-06	2.8E-07	3.81E-06	3.8	0.001003
residential	484430.6	3619125	1.5E-03	2.4E-03	1.9E-04	5.3E-04	9.3E-06	5.0E-03	6.8E-08	1.6E-06	0	1.8E-06	2.8E-07	3.8E-06	3.8	0.001002
residential	487730.6	3618725	2.9E-03	6.3E-04	4.1E-05	9.1E-04	7.2E-05	5.0E-03	6.8E-08	1.6E-06	0	1.8E-06	2.8E-07	3.8E-06	3.8	0.001001
residential	488530.6	3617925	3.1E-03	5.7E-04	3.0E-05	8.9E-04	6.4E-05	5.0E-03	6.8E-08	1.6E-06	0	1.8E-06	2.7E-07	3.78E-06	3.8	0.000995
residential	488230.6	3618125	2.8E-03	6.0E-04	3.8E-05	9.6E-04	8.4E-05	5.0E-03	6.8E-08	1.6E-06	0	1.8E-06	2.7E-07	3.77E-06	3.8	0.000994
residential	487730.6	3618825	2.9E-03	6.3E-04	4.1E-05	8.9E-04	6.9E-05	5.0E-03	6.8E-08	1.6E-06	0	1.8E-06	2.7E-07	3.77E-06	3.8	0.000994
residential	488130.6	3618225	2.8E-03	6.1E-04	3.9E-05	9.7E-04	8.6E-05	5.0E-03	6.8E-08	1.6E-06	0	1.8E-06	2.7E-07	3.77E-06	3.8	0.000994
residential	488630.6	3617825	3.1E-03	5.5E-04	2.7E-05	8.5E-04	5.9E-05	5.0E-03	6.8E-08	1.6E-06	0	1.8E-06	2.7E-07	3.77E-06	3.8	0.000993
residential	488530.6	3616825	3.4E-03	4.9E-04	2.5E-05	7.1E-04	6.7E-05	5.0E-03	6.8E-08	1.6E-06	0	1.8E-06	2.7E-07	3.77E-06	3.8	0.000993
residential	487730.6	3618925	2.9E-03	6.2E-04	4.0E-05	8.7E-04	6.6E-05	5.0E-03	6.8E-08	1.6E-06	0	1.8E-06	2.7E-07	3.77E-06	3.8	0.000993
residential	487730.6	3619025	2.9E-03	6.1E-04	4.0E-05	8.6E-04	6.3E-05	5.0E-03	6.8E-08	1.6E-06	0	1.8E-06	2.7E-07	3.77E-06	3.8	0.000993
residential	488030.6	3618325	2.7E-03	6.2E-04	4.0E-05	9.6E-04	8.4E-05	5.0E-03	6.7E-08	1.6E-06	0	1.8E-06	2.7E-07	3.76E-06	3.8	0.000991
residential	487830.6	3618525	2.8E-03	6.3E-04	4.1E-05	9.4E-04	7.8E-05	5.0E-03	6.7E-08	1.6E-06	0	1.8E-06	2.7E-07	3.76E-06	3.8	0.00099
school	485930.6	3618225	9.2E-03	1.4E-03	1.0E-04	1.5E-02	8.7E-04	3.5E-02	0	0	3E-06	7.1E-07	0	3.76E-06	3.8	0.006967
residential	488730.6	3617625	3.0E-03	5.4E-04	3.2E-05	8.6E-04	5.9E-05	4.9E-03	6.7E-08	1.6E-06	0	1.8E-06	2.7E-07	3.75E-06	3.7	0.000988
residential	487630.6	3619425	3.1E-03	5.5E-04	3.6E-05	8.0E-04	4.7E-05	4.9E-03	6.7E-08	1.6E-06	0	1.8E-06	2.7E-07	3.74E-06	3.7	0.000986
residential	488830.6	3617325	3.2E-03	5.1E-04	2.9E-05	8.1E-04	6.1E-05	4.9E-03	6.7E-08	1.6E-06	0	1.8E-06	2.7E-07	3.74E-06	3.7	0.000985
residential	488830.6	3617225	3.2E-03	5.1E-04	2.8E-05	7.9E-04	6.1E-05	4.9E-03	6.7E-08	1.6E-06	0	1.8E-06	2.7E-07	3.74E-06	3.7	0.000985
residential	485830.6	3620025	2.3E-03	8.9E-04	6.3E-05	1.2E-03	2.4E-05	4.9E-03	6.7E-08	1.6E-06	0	1.8E-06	2.7E-07	3.73E-06	3.7	0.000984
residential	485730.6	3620025	2.2E-03	9.5E-04	6.8E-05	1.3E-03	2.3E-05	4.9E-03	6.7E-08	1.6E-06	0	1.8E-06	2.7E-07	3.72E-06	3.7	0.000981
residential	488230.6	3616625	3.4E-03	4.9E-04	2.5E-05	6.9E-04	6.0E-05	4.9E-03	6.7E-08	1.6E-06	0	1.8E-06	2.7E-07	3.72E-06	3.7	0.000981
residential	487930.6	3618425	2.7E-03	6.2E-04	4.1E-05	9.4E-04	8.0E-05	4.9E-03	6.7E-08	1.6E-06	0	1.8E-06	2.7E-07	3.72E-06	3.7	0.00098
residential	488430.6	3616725	3.4E-03	4.9E-04	2.5E-05	6.9E-04	6.4E-05	4.9E-03	6.7E-08	1.6E-06	0	1.8E-06	2.7E-07	3.72E-06	3.7	0.00098
residential	488830.6	3617425	3.1E-03	5.2E-04	3.0E-05	8.2E-04	5.9E-05	4.9E-03	6.7E-08	1.6E-06	0	1.8E-06	2.7E-07	3.71E-06	3.7	0.000978
residential	487730.6	3619125	2.9E-03	5.9E-04	3.9E-05	8.3E-04	5.8E-05	4.9E-03	6.6E-08	1.6E-06	0	1.8E-06	2.7E-07	3.71E-06	3.7	0.000978
residential	488830.6	3617125	3.2E-03	5.0E-04	2.6E-05	7.7E-04	6.1E-05	4.9E-03	6.6E-08	1.6E-06	0	1.8E-06	2.7E-07	3.7E-06	3.7	0.000976
residential	488330.6	3618125	2.8E-03	5.9E-04	3.6E-05	9.3E-04	7.7E-05	4.9E-03	6.6E-08	1.6E-06	0	1.8E-06	2.7E-07	3.7E-06	3.7	0.000976
residential	485930.6	3620125	2.3E-03	8.6E-04	6.0E-05	1.2E-03	2.6E-05	4.9E-03	6.6E-08	1.6E-06	0	1.8E-06	2.7E-07	3.7E-06	3.7	0.000975
residential	485430.6	3619825	1.9E-03	1.1E-03	8.4E-05	1.4E-03	1.9E-05	4.9E-03	6.6E-08	1.6E-06	0	1.8E-06	2.7E-07	3.7E-06	3.7	0.000974
residential	484730.6	3619225	1.5E-03	2.0E-03	1.5E-04	7.7E-04	1.1E-05	4.9E-03	6.6E-08	1.6E-06	0	1.8E-06	2.7E-07	3.69E-06	3.7	0.000973
residential	485330.6	3619725	1.8E-03	1.2E-03	9.2E-05	1.3E-03	1.7E-05	4.9E-03	6.6E-08	1.6E-06	0	1.8E-06	2.7E-07	3.69E-06	3.7	0.000971
residential	484930.6	3619325	1.6E-03	1.7E-03	1.3E-04	9.9E-04	1.3E-05	4.9E-03	6.6E-08	1.6E-06	0	1.8E-06	2.7E-07	3.68E-06	3.7	0.000971
residential	487830.6	3618625	2.7E-03	6.3E-04	4.1E-05	9.0E-04	7.3E-05	4.8E-03	6.6E-08	1.6E-06	0	1.8E-06	2.7E-07	3.67E-06	3.7	0.000967
residential	485530.6	3619925	2.0E-03	1.1E-03	7.7E-05	1.3E-03	2.0E-05	4.8E-03	6.6E-08	1.6E-06	0	1.7E-06	2.7E-07	3.67E-06	3.7	0.000967
residential	488530.6	3618025	2.9E-03	5.7E-04	3.0E-05	8.8E-04	6.4E-05	4.8E-03	6.6E-08	1.6E-06	0	1.7E-06	2.7E-07	3.66E-06	3.7	0.000965
residential	488430.6	3618125	2.8E-03	5.8E-04	3.2E-05	8.9E-04	6.9E-05	4.8E-03	6.6E-08	1.6E-06	0	1.7E-06	2.7E-07	3.66E-06	3.7	0.000965
residential	488730.6	3617725	2.9E-03	5.4E-04	3.2E-05	8.6E-04	5.6E-05	4.8E-03	6.6E-08	1.6E-06	0	1.7E-06	2.7E-07	3.66E-06	3.7	0.000965
residential	488830.6	3617525	3.0E-03	5.2E-04	3.1E-05	8.3E-04	5.7E-05	4.8E-03	6.6E-08	1.6E-06	0	1.7E-06	2.7E-07	3.66E-06	3.7	0.000965
residential	488630.6	3616825	3.3E-03	4.8E-04	2.5E-05	6.9E-04	6.3E-05	4.8E-03	6.6E-08	1.6E-06	0	1.7E-06	2.7E-07	3.66E-06	3.7	0.000963
residential	488630.6	3617925	3.0E-03	5.6E-04	2.8E-05	8.4E-04	5.8E-05	4.8E-03	6.6E-08	1.6E-06	0	1.7E-06	2.7E-07	3.66E-06	3.7	0.000963

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	485230.6	3619625	1.7E-03	1.3E-03	1.0E-04	1.3E-03	1.6E-05	4.8E-03	6.5E-08	1.6E-06	0	1.7E-06	2.6E-07	3.65E-06	3.7	0.000962
residential	488330.6	3616625	3.3E-03	4.8E-04	2.4E-05	6.7E-04	5.8E-05	4.8E-03	6.5E-08	1.6E-06	0	1.7E-06	2.6E-07	3.63E-06	3.6	0.000957
residential	488530.6	3616725	3.3E-03	4.8E-04	2.5E-05	6.7E-04	6.1E-05	4.8E-03	6.5E-08	1.6E-06	0	1.7E-06	2.6E-07	3.62E-06	3.6	0.000953
residential	485030.6	3619425	1.6E-03	1.6E-03	1.2E-04	1.1E-03	1.4E-05	4.8E-03	6.5E-08	1.6E-06	0	1.7E-06	2.6E-07	3.61E-06	3.6	0.000952
residential	485130.6	3619525	1.7E-03	1.5E-03	1.1E-04	1.2E-03	1.5E-05	4.8E-03	6.5E-08	1.6E-06	0	1.7E-06	2.6E-07	3.61E-06	3.6	0.000951
residential	484630.6	3619225	1.5E-03	2.1E-03	1.6E-04	6.6E-04	9.6E-06	4.8E-03	6.5E-08	1.6E-06	0	1.7E-06	2.6E-07	3.61E-06	3.6	0.00095
residential	487830.6	3618725	2.7E-03	6.2E-04	4.0E-05	8.6E-04	6.8E-05	4.7E-03	6.5E-08	1.6E-06	0	1.7E-06	2.6E-07	3.6E-06	3.6	0.000949
residential	488930.6	3617225	3.1E-03	5.0E-04	2.8E-05	7.7E-04	5.7E-05	4.7E-03	6.4E-08	1.6E-06	0	1.7E-06	2.6E-07	3.6E-06	3.6	0.000948
residential	487630.6	3619625	3.0E-03	5.2E-04	3.4E-05	7.8E-04	4.0E-05	4.7E-03	6.4E-08	1.6E-06	0	1.7E-06	2.6E-07	3.6E-06	3.6	0.000947
residential	488930.6	3617325	3.0E-03	5.0E-04	2.9E-05	7.8E-04	5.6E-05	4.7E-03	6.4E-08	1.6E-06	0	1.7E-06	2.6E-07	3.59E-06	3.6	0.000947
residential	487930.6	3618525	2.6E-03	6.2E-04	4.0E-05	8.9E-04	7.4E-05	4.7E-03	6.4E-08	1.6E-06	0	1.7E-06	2.6E-07	3.59E-06	3.6	0.000947
residential	485630.6	3620025	2.0E-03	9.8E-04	7.0E-05	1.2E-03	2.1E-05	4.7E-03	6.4E-08	1.6E-06	0	1.7E-06	2.6E-07	3.59E-06	3.6	0.000945
residential	488830.6	3617625	2.9E-03	5.2E-04	3.2E-05	8.3E-04	5.4E-05	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.58E-06	3.6	0.000943
residential	487830.6	3618825	2.7E-03	6.1E-04	4.0E-05	8.3E-04	6.5E-05	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.58E-06	3.6	0.000942
residential	487830.6	3618925	2.8E-03	6.0E-04	3.9E-05	8.2E-04	6.3E-05	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.58E-06	3.6	0.000942
residential	488930.6	3617125	3.1E-03	4.9E-04	2.6E-05	7.4E-04	5.7E-05	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.58E-06	3.6	0.000942
residential	487730.6	3619325	2.9E-03	5.5E-04	3.6E-05	7.6E-04	4.8E-05	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.57E-06	3.6	0.000942
residential	484530.6	3619225	1.4E-03	2.2E-03	1.7E-04	5.8E-04	9.0E-06	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.57E-06	3.6	0.000941
residential	487830.6	3619025	2.8E-03	6.0E-04	3.9E-05	8.1E-04	6.0E-05	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.57E-06	3.6	0.000941
residential	488230.6	3618225	2.6E-03	5.9E-04	3.8E-05	9.0E-04	7.8E-05	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.57E-06	3.6	0.00094
residential	487730.6	3619225	2.9E-03	5.6E-04	3.7E-05	7.5E-04	5.0E-05	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.57E-06	3.6	0.00094
residential	484330.6	3619225	1.4E-03	2.4E-03	1.8E-04	4.5E-04	8.1E-06	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.57E-06	3.6	0.00094
residential	488030.6	3618425	2.6E-03	6.1E-04	3.9E-05	8.9E-04	7.6E-05	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.57E-06	3.6	0.00094
residential	488730.6	3617825	2.8E-03	5.4E-04	3.2E-05	8.4E-04	5.4E-05	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.57E-06	3.6	0.000939
residential	488930.6	3617425	2.9E-03	5.1E-04	3.0E-05	7.9E-04	5.5E-05	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.56E-06	3.6	0.000939
residential	484230.6	3619225	1.3E-03	2.5E-03	2.0E-04	4.0E-04	7.8E-06	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.56E-06	3.6	0.000939
residential	484830.6	3619325	1.5E-03	1.8E-03	1.4E-04	8.3E-04	1.1E-05	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.56E-06	3.6	0.000938
residential	488630.6	3618025	2.9E-03	5.5E-04	2.8E-05	8.3E-04	5.7E-05	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.55E-06	3.6	0.000935
residential	488130.6	3618325	2.6E-03	6.0E-04	3.9E-05	8.9E-04	7.8E-05	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.55E-06	3.5	0.000935
residential	488430.6	3616625	3.2E-03	4.7E-04	2.4E-05	6.5E-04	5.6E-05	4.7E-03	6.4E-08	1.5E-06	0	1.7E-06	2.6E-07	3.55E-06	3.5	0.000934
residential	487730.6	3619425	2.9E-03	5.4E-04	3.5E-05	7.5E-04	4.5E-05	4.7E-03	6.3E-08	1.5E-06	0	1.7E-06	2.6E-07	3.54E-06	3.5	0.000933
residential	487830.6	3619125	2.8E-03	5.8E-04	3.8E-05	7.9E-04	5.6E-05	4.7E-03	6.3E-08	1.5E-06	0	1.7E-06	2.6E-07	3.54E-06	3.5	0.000933
residential	488530.6	3618125	2.8E-03	5.7E-04	3.1E-05	8.5E-04	6.3E-05	4.7E-03	6.3E-08	1.5E-06	0	1.7E-06	2.6E-07	3.53E-06	3.5	0.000931
residential	487730.6	3619525	2.9E-03	5.3E-04	3.4E-05	7.5E-04	4.3E-05	4.6E-03	6.3E-08	1.5E-06	0	1.7E-06	2.6E-07	3.53E-06	3.5	0.000929
residential	488630.6	3616725	3.2E-03	4.7E-04	2.4E-05	6.5E-04	5.7E-05	4.6E-03	6.3E-08	1.5E-06	0	1.7E-06	2.6E-07	3.52E-06	3.5	0.000927
residential	488930.6	3617525	2.9E-03	5.1E-04	3.1E-05	7.9E-04	5.3E-05	4.6E-03	6.3E-08	1.5E-06	0	1.7E-06	2.5E-07	3.51E-06	3.5	0.000924
residential	485830.6	3620125	2.2E-03	8.6E-04	6.0E-05	1.1E-03	2.2E-05	4.6E-03	6.3E-08	1.5E-06	0	1.7E-06	2.5E-07	3.5E-06	3.5	0.000923
residential	487930.6	3618625	2.6E-03	6.1E-04	4.0E-05	8.4E-04	6.9E-05	4.6E-03	6.3E-08	1.5E-06	0	1.7E-06	2.5E-07	3.5E-06	3.5	0.000921
residential	485430.6	3619925	1.8E-03	1.1E-03	8.1E-05	1.2E-03	1.8E-05	4.6E-03	6.3E-08	1.5E-06	0	1.7E-06	2.5E-07	3.49E-06	3.5	0.00092
residential	488730.6	3617925	2.8E-03	5.4E-04	3.0E-05	8.2E-04	5.2E-05	4.6E-03	6.3E-08	1.5E-06	0	1.7E-06	2.5E-07	3.49E-06	3.5	0.00092
residential	485330.6	3619825	1.7E-03	1.2E-03	8.8E-05	1.2E-03	1.6E-05	4.6E-03	6.2E-08	1.5E-06	0	1.7E-06	2.5E-07	3.48E-06	3.5	0.000918
residential	484430.6	3619225	1.4E-03	2.2E-03	1.8E-04	4.7E-04	8.5E-06	4.6E-03	6.2E-08	1.5E-06	0	1.7E-06	2.5E-07	3.48E-06	3.5	0.000917
residential	488830.6	3617725	2.8E-03	5.2E-04	3.2E-05	8.1E-04	5.2E-05	4.6E-03	6.2E-08	1.5E-06	0	1.7E-06	2.5E-07	3.48E-06	3.5	0.000917
residential	489030.6	3617225	2.9E-03	4.9E-04	2.8E-05	7.4E-04	5.3E-05	4.6E-03	6.2E-08	1.5E-06	0	1.7E-06	2.5E-07	3.47E-06	3.5	0.000914
residential	484030.6	3619325	1.2E-03	2.6E-03	2.1E-04	3.1E-04	6.7E-06	4.6E-03	6.2E-08	1.5E-06	0	1.7E-06	2.5E-07	3.46E-06	3.5	0.000912
residential	487830.6	3619225	2.8E-03	5.6E-04	3.7E-05	7.5E-04	5.1E-05	4.6E-03	6.2E-08	1.5E-06	0	1.7E-06	2.5E-07	3.46E-06	3.5	0.000912
residential	484730.6	3619325	1.5E-03	1.9E-03	1.4E-04	7.1E-04	1.0E-05	4.6E-03	6.2E-08	1.5E-06	0	1.7E-06	2.5E-07	3.46E-06	3.5	0.000912
residential	489030.6	3617325	2.9E-03	4.9E-04	2.9E-05	7.5E-04	5.2E-05	4.6E-03	6.2E-08	1.5E-06	0	1.6E-06	2.5E-07	3.46E-06	3.5	0.000911
residential	488330.6	3618225	2.6E-03	5.8E-04	3.7E-05	8.6E-04	7.2E-05	4.6E-03	6.2E-08	1.5E-06	0	1.6E-06	2.5E-07	3.46E-06	3.5	0.000911
residential	489030.6	3617125	3.0E-03	4.8E-04	2.6E-05	7.2E-04	5.3E-05	4.5E-03	6.2E-08	1.5E-06	0	1.6E-06	2.5E-07	3.45E-06	3.5	0.00091
residential	488530.6	3616625	3.1E-03	4.7E-04	2.4E-05	6.4E-04	5.4E-05	4.5E-03	6.2E-08	1.5E-06	0	1.6E-06	2.5E-07	3.45E-06	3.5	0.00091

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	484930.6	3619425	1.5E-03	1.7E-03	1.3E-04	9.1E-04	1.2E-05	4.5E-03	6.2E-08	1.5E-06	0	1.6E-06	2.5E-07	3.45E-06	3.5	0.00091
residential	488430.6	3618225	2.6E-03	5.7E-04	3.4E-05	8.5E-04	6.7E-05	4.5E-03	6.2E-08	1.5E-06	0	1.6E-06	2.5E-07	3.45E-06	3.5	0.000909
residential	485530.6	3620025	1.9E-03	1.0E-03	7.3E-05	1.2E-03	1.9E-05	4.5E-03	6.2E-08	1.5E-06	0	1.6E-06	2.5E-07	3.45E-06	3.4	0.000908
residential	488030.6	3618525	2.5E-03	6.0E-04	3.9E-05	8.5E-04	7.1E-05	4.5E-03	6.2E-08	1.5E-06	0	1.6E-06	2.5E-07	3.45E-06	3.4	0.000908
residential	485230.6	3619725	1.7E-03	1.3E-03	9.7E-05	1.2E-03	1.5E-05	4.5E-03	6.2E-08	1.5E-06	0	1.6E-06	2.5E-07	3.44E-06	3.4	0.000907
residential	488930.6	3617625	2.8E-03	5.1E-04	3.1E-05	7.9E-04	5.0E-05	4.5E-03	6.2E-08	1.5E-06	0	1.6E-06	2.5E-07	3.44E-06	3.4	0.000906
residential	487930.6	3618725	2.6E-03	6.0E-04	3.9E-05	8.1E-04	6.5E-05	4.5E-03	6.2E-08	1.5E-06	0	1.6E-06	2.5E-07	3.44E-06	3.4	0.000905
residential	488330.6	3616525	3.1E-03	4.6E-04	2.4E-05	6.3E-04	4.9E-05	4.5E-03	6.1E-08	1.5E-06	0	1.6E-06	2.5E-07	3.43E-06	3.4	0.000903
residential	489030.6	3617425	2.8E-03	5.0E-04	3.0E-05	7.6E-04	5.1E-05	4.5E-03	6.1E-08	1.5E-06	0	1.6E-06	2.5E-07	3.43E-06	3.4	0.000903
residential	488730.6	3616725	3.1E-03	4.6E-04	2.3E-05	6.4E-04	5.4E-05	4.5E-03	6.1E-08	1.5E-06	0	1.6E-06	2.5E-07	3.42E-06	3.4	0.000902
residential	484130.6	3619325	1.2E-03	2.5E-03	1.9E-04	3.4E-04	6.9E-06	4.5E-03	6.1E-08	1.5E-06	0	1.6E-06	2.5E-07	3.41E-06	3.4	0.000899
residential	488230.6	3618325	2.5E-03	5.8E-04	3.8E-05	8.5E-04	7.3E-05	4.5E-03	6.1E-08	1.5E-06	0	1.6E-06	2.5E-07	3.41E-06	3.4	0.000899
residential	485130.6	3619625	1.6E-03	1.4E-03	1.1E-04	1.1E-03	1.4E-05	4.5E-03	6.1E-08	1.5E-06	0	1.6E-06	2.5E-07	3.41E-06	3.4	0.000899
residential	488630.6	3618125	2.7E-03	5.5E-04	2.9E-05	8.1E-04	5.7E-05	4.5E-03	6.1E-08	1.5E-06	0	1.6E-06	2.5E-07	3.41E-06	3.4	0.000898
school	486030.6	3618125	9.6E-03	1.4E-03	9.6E-05	1.2E-02	1.0E-03	3.2E-02	0	0	2.8E-06	6.4E-07	0	3.41E-06	3.4	0.006322
residential	488530.6	3618225	2.6E-03	5.6E-04	3.1E-05	8.2E-04	6.1E-05	4.5E-03	6.1E-08	1.5E-06	0	1.6E-06	2.5E-07	3.4E-06	3.4	0.000896
residential	487930.6	3618825	2.6E-03	5.9E-04	3.8E-05	7.8E-04	6.2E-05	4.5E-03	6.1E-08	1.5E-06	0	1.6E-06	2.5E-07	3.4E-06	3.4	0.000896
residential	485030.6	3619525	1.5E-03	1.5E-03	1.2E-04	9.9E-04	1.3E-05	4.5E-03	6.1E-08	1.5E-06	0	1.6E-06	2.5E-07	3.4E-06	3.4	0.000895
residential	488130.6	3618425	2.5E-03	5.9E-04	3.8E-05	8.4E-04	7.2E-05	4.5E-03	6.1E-08	1.5E-06	0	1.6E-06	2.5E-07	3.39E-06	3.4	0.000893
residential	487930.6	3619025	2.6E-03	5.8E-04	3.7E-05	7.6E-04	5.7E-05	4.5E-03	6.1E-08	1.5E-06	0	1.6E-06	2.5E-07	3.39E-06	3.4	0.000893
residential	488830.6	3617825	2.7E-03	5.3E-04	3.2E-05	8.0E-04	5.0E-05	4.5E-03	6.1E-08	1.5E-06	0	1.6E-06	2.5E-07	3.39E-06	3.4	0.000892
residential	487930.6	3619125	2.7E-03	5.7E-04	3.7E-05	7.5E-04	5.5E-05	4.5E-03	6.1E-08	1.5E-06	0	1.6E-06	2.5E-07	3.39E-06	3.4	0.000892
residential	487930.6	3618925	2.6E-03	5.9E-04	3.8E-05	7.7E-04	5.9E-05	4.5E-03	6.1E-08	1.5E-06	0	1.6E-06	2.5E-07	3.38E-06	3.4	0.000891
residential	489030.6	3617025	3.0E-03	4.7E-04	2.3E-05	6.5E-04	5.2E-05	4.5E-03	6.1E-08	1.5E-06	0	1.6E-06	2.5E-07	3.38E-06	3.4	0.000891
residential	484630.6	3619325	1.4E-03	2.0E-03	1.5E-04	6.1E-04	9.1E-06	4.4E-03	6E-08	1.5E-06	0	1.6E-06	2.4E-07	3.37E-06	3.4	0.000888
residential	489030.6	3617525	2.7E-03	5.0E-04	3.0E-05	7.6E-04	4.9E-05	4.4E-03	6E-08	1.5E-06	0	1.6E-06	2.4E-07	3.37E-06	3.4	0.000888
residential	484230.6	3619325	1.2E-03	2.4E-03	1.8E-04	3.8E-04	7.1E-06	4.4E-03	6E-08	1.5E-06	0	1.6E-06	2.4E-07	3.37E-06	3.4	0.000888
residential	488630.6	3616625	3.0E-03	4.6E-04	2.3E-05	6.2E-04	5.1E-05	4.4E-03	6E-08	1.5E-06	0	1.6E-06	2.4E-07	3.37E-06	3.4	0.000887
residential	488730.6	3618025	2.6E-03	5.4E-04	3.0E-05	8.0E-04	5.2E-05	4.4E-03	6E-08	1.5E-06	0	1.6E-06	2.4E-07	3.37E-06	3.4	0.000887
residential	487830.6	3619325	2.7E-03	5.3E-04	3.5E-05	7.0E-04	4.6E-05	4.4E-03	6E-08	1.5E-06	0	1.6E-06	2.4E-07	3.36E-06	3.4	0.000885
residential	487930.6	3619225	2.7E-03	5.6E-04	3.6E-05	7.4E-04	5.2E-05	4.4E-03	6E-08	1.5E-06	0	1.6E-06	2.4E-07	3.36E-06	3.4	0.000885
residential	489130.6	3617225	2.9E-03	4.8E-04	2.7E-05	7.1E-04	4.9E-05	4.4E-03	6E-08	1.5E-06	0	1.6E-06	2.4E-07	3.35E-06	3.4	0.000883
residential	488030.6	3618625	2.5E-03	5.9E-04	3.8E-05	8.0E-04	6.6E-05	4.4E-03	6E-08	1.4E-06	0	1.6E-06	2.4E-07	3.35E-06	3.3	0.000882
residential	489130.6	3617325	2.9E-03	4.8E-04	2.6E-05	7.1E-04	4.8E-05	4.4E-03	6E-08	1.4E-06	0	1.6E-06	2.4E-07	3.35E-06	3.3	0.000882
residential	485730.6	3620125	2.1E-03	8.7E-04	6.0E-05	1.0E-03	2.0E-05	4.4E-03	6E-08	1.4E-06	0	1.6E-06	2.4E-07	3.35E-06	3.3	0.000882
residential	488830.6	3617925	2.7E-03	5.3E-04	3.0E-05	7.8E-04	4.8E-05	4.4E-03	6E-08	1.4E-06	0	1.6E-06	2.4E-07	3.35E-06	3.3	0.000882
residential	488430.6	3616525	3.0E-03	4.6E-04	2.3E-05	6.1E-04	4.8E-05	4.4E-03	6E-08	1.4E-06	0	1.6E-06	2.4E-07	3.35E-06	3.3	0.000882
residential	484830.6	3619425	1.4E-03	1.7E-03	1.3E-04	7.7E-04	1.1E-05	4.4E-03	6E-08	1.4E-06	0	1.6E-06	2.4E-07	3.34E-06	3.3	0.000881
residential	484330.6	3619325	1.3E-03	2.2E-03	1.7E-04	4.2E-04	7.5E-06	4.4E-03	6E-08	1.4E-06	0	1.6E-06	2.4E-07	3.34E-06	3.3	0.000881
residential	488930.6	3617725	2.6E-03	5.1E-04	3.2E-05	7.8E-04	4.8E-05	4.4E-03	6E-08	1.4E-06	0	1.6E-06	2.4E-07	3.34E-06	3.3	0.00088
residential	485630.6	3620125	1.9E-03	9.2E-04	6.5E-05	1.1E-03	1.9E-05	4.4E-03	6E-08	1.4E-06	0	1.6E-06	2.4E-07	3.33E-06	3.3	0.000878
residential	489130.6	3617425	2.8E-03	4.9E-04	2.7E-05	7.2E-04	4.7E-05	4.4E-03	6E-08	1.4E-06	0	1.6E-06	2.4E-07	3.33E-06	3.3	0.000878
residential	488830.6	3616725	3.0E-03	4.6E-04	2.3E-05	6.2E-04	5.1E-05	4.4E-03	6E-08	1.4E-06	0	1.6E-06	2.4E-07	3.33E-06	3.3	0.000877
residential	489030.6	3617625	2.7E-03	5.0E-04	3.0E-05	7.5E-04	4.7E-05	4.4E-03	6E-08	1.4E-06	0	1.6E-06	2.4E-07	3.33E-06	3.3	0.000876
residential	485430.6	3620025	1.8E-03	1.1E-03	7.8E-05	1.1E-03	1.7E-05	4.4E-03	5.9E-08	1.4E-06	0	1.6E-06	2.4E-07	3.32E-06	3.3	0.000874
residential	484530.6	3619325	1.3E-03	2.0E-03	1.6E-04	5.2E-04	8.4E-06	4.4E-03	5.9E-08	1.4E-06	0	1.6E-06	2.4E-07	3.31E-06	3.3	0.000873
residential	487830.6	3619425	2.7E-03	5.2E-04	3.3E-05	6.8E-04	4.2E-05	4.4E-03	5.9E-08	1.4E-06	0	1.6E-06	2.4E-07	3.31E-06	3.3	0.000872
residential	489130.6	3617125	2.9E-03	4.7E-04	2.2E-05	6.5E-04	4.9E-05	4.4E-03	5.9E-08	1.4E-06	0	1.6E-06	2.4E-07	3.31E-06	3.3	0.000871
residential	488630.6	3618225	2.6E-03	5.5E-04	2.9E-05	7.9E-04	5.6E-05	4.4E-03	5.9E-08	1.4E-06	0	1.6E-06	2.4E-07	3.31E-06	3.3	0.000871
residential	485330.6	3619925	1.7E-03	1.1E-03	8.4E-05	1.1E-03	1.5E-05	4.3E-03	5.9E-08	1.4E-06	0	1.6E-06	2.4E-07	3.3E-06	3.3	0.00087
residential	484430.6	3619325	1.3E-03	2.1E-03	1.7E-04	4.5E-04	7.9E-06	4.3E-03	5.9E-08	1.4E-06	0	1.6E-06	2.4E-07	3.3E-06	3.3	0.000868

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	489130.6	3617525	2.7E-03	4.9E-04	2.8E-05	7.2E-04	4.6E-05	4.3E-03	5.9E-08	1.4E-06	0	1.6E-06	2.4E-07	3.29E-06	3.3	0.000866
residential	488730.6	3616625	3.0E-03	4.5E-04	2.3E-05	6.0E-04	4.9E-05	4.3E-03	5.9E-08	1.4E-06	0	1.6E-06	2.4E-07	3.29E-06	3.3	0.000866
residential	488030.6	3618725	2.5E-03	5.9E-04	3.8E-05	7.7E-04	6.2E-05	4.3E-03	5.9E-08	1.4E-06	0	1.6E-06	2.4E-07	3.28E-06	3.3	0.000865
school	485901.8	3618345	7.5E-03	1.5E-03	1.0E-04	1.4E-02	5.6E-04	3.0E-02	0	0	2.7E-06	6.2E-07	0	3.28E-06	3.3	0.00609
residential	488530.6	3616525	2.9E-03	4.5E-04	2.4E-05	6.1E-04	4.6E-05	4.3E-03	5.9E-08	1.4E-06	0	1.6E-06	2.4E-07	3.28E-06	3.3	0.000865
residential	488130.6	3618525	2.4E-03	5.8E-04	3.8E-05	7.9E-04	6.7E-05	4.3E-03	5.9E-08	1.4E-06	0	1.6E-06	2.4E-07	3.28E-06	3.3	0.000864
residential	484730.6	3619425	1.4E-03	1.8E-03	1.4E-04	6.7E-04	9.8E-06	4.3E-03	5.9E-08	1.4E-06	0	1.6E-06	2.4E-07	3.27E-06	3.3	0.000863
residential	488530.6	3618325	2.5E-03	5.6E-04	3.1E-05	7.8E-04	5.9E-05	4.3E-03	5.9E-08	1.4E-06	0	1.6E-06	2.4E-07	3.27E-06	3.3	0.000863
residential	488430.6	3618325	2.4E-03	5.7E-04	3.5E-05	8.0E-04	6.3E-05	4.3E-03	5.9E-08	1.4E-06	0	1.6E-06	2.4E-07	3.27E-06	3.3	0.000861
residential	485530.6	3620125	1.8E-03	9.8E-04	7.0E-05	1.1E-03	1.7E-05	4.3E-03	5.9E-08	1.4E-06	0	1.6E-06	2.4E-07	3.27E-06	3.3	0.00086
residential	489130.6	3617025	2.9E-03	4.6E-04	2.3E-05	6.3E-04	4.9E-05	4.3E-03	5.8E-08	1.4E-06	0	1.6E-06	2.4E-07	3.26E-06	3.3	0.00086
residential	485230.6	3619825	1.6E-03	1.2E-03	9.2E-05	1.1E-03	1.4E-05	4.3E-03	5.8E-08	1.4E-06	0	1.6E-06	2.4E-07	3.26E-06	3.3	0.000859
residential	484030.6	3619425	1.1E-03	2.4E-03	1.9E-04	3.0E-04	6.2E-06	4.3E-03	5.8E-08	1.4E-06	0	1.6E-06	2.4E-07	3.26E-06	3.3	0.000858
residential	488230.6	3618425	2.4E-03	5.7E-04	3.7E-05	7.9E-04	6.7E-05	4.3E-03	5.8E-08	1.4E-06	0	1.6E-06	2.4E-07	3.26E-06	3.3	0.000858
residential	484930.6	3619525	1.5E-03	1.6E-03	1.2E-04	8.3E-04	1.2E-05	4.3E-03	5.8E-08	1.4E-06	0	1.6E-06	2.4E-07	3.25E-06	3.3	0.000857
residential	488330.6	3618325	2.4E-03	5.7E-04	3.7E-05	8.0E-04	6.7E-05	4.3E-03	5.8E-08	1.4E-06	0	1.6E-06	2.4E-07	3.25E-06	3.3	0.000857
residential	487930.6	3619325	2.6E-03	5.3E-04	3.4E-05	6.8E-04	4.6E-05	4.3E-03	5.8E-08	1.4E-06	0	1.5E-06	2.4E-07	3.24E-06	3.2	0.000855
residential	488930.6	3616725	2.9E-03	4.5E-04	2.3E-05	6.0E-04	4.8E-05	4.3E-03	5.8E-08	1.4E-06	0	1.5E-06	2.3E-07	3.24E-06	3.2	0.000853
residential	488930.6	3617825	2.5E-03	5.1E-04	3.2E-05	7.6E-04	4.6E-05	4.3E-03	5.8E-08	1.4E-06	0	1.5E-06	2.3E-07	3.24E-06	3.2	0.000853
residential	488030.6	3618825	2.5E-03	5.8E-04	3.7E-05	7.4E-04	5.8E-05	4.3E-03	5.8E-08	1.4E-06	0	1.5E-06	2.3E-07	3.24E-06	3.2	0.000852
residential	489030.6	3617725	2.6E-03	5.0E-04	3.1E-05	7.4E-04	4.5E-05	4.3E-03	5.8E-08	1.4E-06	0	1.5E-06	2.3E-07	3.23E-06	3.2	0.000851
residential	485130.6	3619725	1.5E-03	1.3E-03	1.0E-04	9.8E-04	1.4E-05	4.3E-03	5.8E-08	1.4E-06	0	1.5E-06	2.3E-07	3.23E-06	3.2	0.000851
residential	485030.6	3619625	1.5E-03	1.5E-03	1.1E-04	9.0E-04	1.3E-05	4.2E-03	5.8E-08	1.4E-06	0	1.5E-06	2.3E-07	3.22E-06	3.2	0.000849
residential	488730.6	3618125	2.5E-03	5.4E-04	3.2E-05	7.6E-04	5.1E-05	4.2E-03	5.8E-08	1.4E-06	0	1.5E-06	2.3E-07	3.21E-06	3.2	0.000847
residential	488030.6	3618925	2.5E-03	5.7E-04	3.7E-05	7.2E-04	5.6E-05	4.2E-03	5.8E-08	1.4E-06	0	1.5E-06	2.3E-07	3.21E-06	3.2	0.000846
residential	488030.6	3619125	2.5E-03	5.6E-04	3.6E-05	7.0E-04	5.2E-05	4.2E-03	5.8E-08	1.4E-06	0	1.5E-06	2.3E-07	3.21E-06	3.2	0.000846
residential	489130.6	3617625	2.6E-03	4.9E-04	2.9E-05	7.2E-04	4.4E-05	4.2E-03	5.8E-08	1.4E-06	0	1.5E-06	2.3E-07	3.21E-06	3.2	0.000846
residential	488030.6	3619025	2.5E-03	5.6E-04	3.6E-05	7.1E-04	5.4E-05	4.2E-03	5.8E-08	1.4E-06	0	1.5E-06	2.3E-07	3.21E-06	3.2	0.000846
residential	489130.6	3616925	2.9E-03	4.5E-04	2.3E-05	6.1E-04	4.8E-05	4.2E-03	5.8E-08	1.4E-06	0	1.5E-06	2.3E-07	3.21E-06	3.2	0.000846
residential	488930.6	3617925	2.5E-03	5.2E-04	3.0E-05	7.5E-04	4.5E-05	4.2E-03	5.7E-08	1.4E-06	0	1.5E-06	2.3E-07	3.21E-06	3.2	0.000846
residential	488630.6	3616525	2.9E-03	4.5E-04	2.3E-05	5.8E-04	4.5E-05	4.2E-03	5.7E-08	1.4E-06	0	1.5E-06	2.3E-07	3.21E-06	3.2	0.000846
residential	488030.6	3619225	2.5E-03	5.5E-04	3.5E-05	7.0E-04	5.0E-05	4.2E-03	5.7E-08	1.4E-06	0	1.5E-06	2.3E-07	3.21E-06	3.2	0.000846
residential	484130.6	3619425	1.1E-03	2.3E-03	1.8E-04	3.3E-04	6.4E-06	4.2E-03	5.7E-08	1.4E-06	0	1.5E-06	2.3E-07	3.21E-06	3.2	0.000845
residential	488130.6	3618625	2.4E-03	5.8E-04	3.7E-05	7.6E-04	6.3E-05	4.2E-03	5.7E-08	1.4E-06	0	1.5E-06	2.3E-07	3.21E-06	3.2	0.000844
residential	488830.6	3616625	2.9E-03	4.5E-04	2.3E-05	5.9E-04	4.7E-05	4.2E-03	5.7E-08	1.4E-06	0	1.5E-06	2.3E-07	3.2E-06	3.2	0.000844
residential	484630.6	3619425	1.3E-03	1.9E-03	1.4E-04	5.7E-04	8.8E-06	4.2E-03	5.7E-08	1.4E-06	0	1.5E-06	2.3E-07	3.2E-06	3.2	0.000842
residential	484230.6	3619425	1.2E-03	2.2E-03	1.7E-04	3.6E-04	6.6E-06	4.2E-03	5.7E-08	1.4E-06	0	1.5E-06	2.3E-07	3.18E-06	3.2	0.000838
residential	489030.6	3616725	2.8E-03	4.4E-04	2.4E-05	6.2E-04	4.6E-05	4.2E-03	5.7E-08	1.4E-06	0	1.5E-06	2.3E-07	3.18E-06	3.2	0.000837
residential	485430.6	3620125	1.7E-03	1.0E-03	7.5E-05	1.1E-03	1.6E-05	4.2E-03	5.7E-08	1.4E-06	0	1.5E-06	2.3E-07	3.16E-06	3.2	0.000833
residential	488430.6	3618425	2.4E-03	5.6E-04	3.4E-05	7.6E-04	6.0E-05	4.2E-03	5.7E-08	1.4E-06	0	1.5E-06	2.3E-07	3.16E-06	3.2	0.000832
residential	488530.6	3618425	2.4E-03	5.6E-04	3.1E-05	7.4E-04	5.7E-05	4.2E-03	5.7E-08	1.4E-06	0	1.5E-06	2.3E-07	3.16E-06	3.2	0.000832
residential	488130.6	3618725	2.4E-03	5.7E-04	3.7E-05	7.3E-04	5.9E-05	4.1E-03	5.6E-08	1.4E-06	0	1.5E-06	2.3E-07	3.14E-06	3.1	0.000828
residential	488630.6	3618325	2.4E-03	5.5E-04	3.1E-05	7.4E-04	5.4E-05	4.1E-03	5.6E-08	1.4E-06	0	1.5E-06	2.3E-07	3.14E-06	3.1	0.000827
residential	485330.6	3620025	1.6E-03	1.1E-03	8.1E-05	1.0E-03	1.4E-05	4.1E-03	5.6E-08	1.4E-06	0	1.5E-06	2.3E-07	3.14E-06	3.1	0.000827
residential	488730.6	3616525	2.8E-03	4.4E-04	2.2E-05	5.7E-04	4.4E-05	4.1E-03	5.6E-08	1.4E-06	0	1.5E-06	2.3E-07	3.14E-06	3.1	0.000827
residential	484830.6	3619525	1.4E-03	1.6E-03	1.3E-04	7.2E-04	1.0E-05	4.1E-03	5.6E-08	1.4E-06	0	1.5E-06	2.3E-07	3.14E-06	3.1	0.000826
residential	488330.6	3618425	2.3E-03	5.6E-04	3.6E-05	7.6E-04	6.3E-05	4.1E-03	5.6E-08	1.4E-06	0	1.5E-06	2.3E-07	3.13E-06	3.1	0.000824
residential	484530.6	3619425	1.3E-03	1.9E-03	1.5E-04	5.0E-04	8.0E-06	4.1E-03	5.6E-08	1.4E-06	0	1.5E-06	2.3E-07	3.13E-06	3.1	0.000824
residential	488930.6	3616625	2.8E-03	4.4E-04	2.2E-05	5.7E-04	4.5E-05	4.1E-03	5.6E-08	1.4E-06	0	1.5E-06	2.3E-07	3.12E-06	3.1	0.000823
residential	488230.6	3618525	2.3E-03	5.7E-04	3.7E-05	7.4E-04	6.2E-05	4.1E-03	5.6E-08	1.4E-06	0	1.5E-06	2.3E-07	3.12E-06	3.1	0.000823
residential	489030.6	3617825	2.4E-03	5.0E-04	3.1E-05	7.3E-04	4.2E-05	4.1E-03	5.6E-08	1.4E-06	0	1.5E-06	2.3E-07	3.12E-06	3.1	0.000822

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	488830.6	3618025	2.4E-03	5.2E-04	3.3E-05	7.4E-04	4.6E-05	4.1E-03	5.6E-08	1.4E-06	0	1.5E-06	2.3E-07	3.12E-06	3.1	0.000822
residential	489130.6	3617725	2.5E-03	4.9E-04	3.0E-05	7.1E-04	4.2E-05	4.1E-03	5.6E-08	1.3E-06	0	1.5E-06	2.3E-07	3.12E-06	3.1	0.000822
residential	484330.6	3619425	1.2E-03	2.1E-03	1.6E-04	3.8E-04	7.0E-06	4.1E-03	5.6E-08	1.3E-06	0	1.5E-06	2.3E-07	3.11E-06	3.1	0.00082
residential	485230.6	3619925	1.5E-03	1.2E-03	8.8E-05	9.7E-04	1.4E-05	4.1E-03	5.6E-08	1.3E-06	0	1.5E-06	2.2E-07	3.1E-06	3.1	0.000816
residential	488530.6	3616425	2.8E-03	4.4E-04	2.3E-05	5.6E-04	4.0E-05	4.1E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.1E-06	3.1	0.000816
residential	484430.6	3619425	1.2E-03	2.0E-03	1.6E-04	4.3E-04	7.4E-06	4.1E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.1E-06	3.1	0.000815
residential	488130.6	3618825	2.4E-03	5.6E-04	3.6E-05	7.0E-04	5.6E-05	4.1E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.1E-06	3.1	0.000815
residential	489130.6	3616725	2.7E-03	4.4E-04	2.3E-05	6.0E-04	4.4E-05	4.1E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.09E-06	3.1	0.000815
residential	488230.6	3618625	2.3E-03	5.6E-04	3.6E-05	7.2E-04	6.0E-05	4.1E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.08E-06	3.1	0.000811
residential	488730.6	3618225	2.3E-03	5.4E-04	3.2E-05	7.3E-04	5.0E-05	4.1E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.08E-06	3.1	0.000811
residential	484930.6	3619625	1.4E-03	1.5E-03	1.1E-04	7.7E-04	1.1E-05	4.1E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.08E-06	3.1	0.000811
residential	488630.6	3618425	2.4E-03	5.4E-04	2.9E-05	7.2E-04	5.3E-05	4.0E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.07E-06	3.1	0.00081
residential	488830.6	3616525	2.8E-03	4.3E-04	2.2E-05	5.6E-04	4.2E-05	4.0E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.07E-06	3.1	0.000808
residential	489030.6	3616625	2.7E-03	4.3E-04	2.3E-05	5.9E-04	4.3E-05	4.0E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.07E-06	3.1	0.000808
residential	489030.6	3617925	2.4E-03	5.1E-04	3.0E-05	7.1E-04	4.1E-05	4.0E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.07E-06	3.1	0.000808
residential	484030.6	3619525	1.1E-03	2.3E-03	1.8E-04	2.8E-04	5.7E-06	4.0E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.06E-06	3.1	0.000807
school	486030.6	3618225	8.9E-03	1.3E-03	9.5E-05	1.1E-02	6.7E-04	2.8E-02	0	0	2.5E-06	5.8E-07	0	3.06E-06	3.1	0.005682
residential	485130.6	3619825	1.5E-03	1.3E-03	9.6E-05	9.0E-04	1.3E-05	4.0E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.06E-06	3.1	0.000806
residential	488130.6	3618925	2.4E-03	5.6E-04	3.6E-05	6.8E-04	5.3E-05	4.0E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.06E-06	3.1	0.000806
residential	488530.6	3618525	2.3E-03	5.5E-04	3.1E-05	7.1E-04	5.4E-05	4.0E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.05E-06	3.1	0.000805
residential	488130.6	3619025	2.4E-03	5.5E-04	3.5E-05	6.7E-04	5.1E-05	4.0E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.05E-06	3.1	0.000804
residential	488130.6	3619125	2.4E-03	5.4E-04	3.5E-05	6.6E-04	4.9E-05	4.0E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.05E-06	3.0	0.000803
residential	488430.6	3618525	2.3E-03	5.6E-04	3.4E-05	7.2E-04	5.7E-05	4.0E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.05E-06	3.0	0.000802
residential	485030.6	3619725	1.4E-03	1.4E-03	1.0E-04	8.3E-04	1.2E-05	4.0E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.04E-06	3.0	0.000802
residential	488630.6	3616425	2.7E-03	4.3E-04	2.3E-05	5.5E-04	3.9E-05	4.0E-03	5.5E-08	1.3E-06	0	1.5E-06	2.2E-07	3.04E-06	3.0	0.000802
residential	488430.6	3618625	2.3E-03	5.6E-04	3.3E-05	7.0E-04	5.5E-05	4.0E-03	5.4E-08	1.3E-06	0	1.4E-06	2.2E-07	3.03E-06	3.0	0.000799
residential	484630.6	3619525	1.3E-03	1.8E-03	1.3E-04	5.5E-04	8.5E-06	4.0E-03	5.4E-08	1.3E-06	0	1.4E-06	2.2E-07	3.03E-06	3.0	0.000798
residential	484130.6	3619525	1.1E-03	2.2E-03	1.7E-04	3.1E-04	6.0E-06	4.0E-03	5.4E-08	1.3E-06	0	1.4E-06	2.2E-07	3.03E-06	3.0	0.000798
residential	484730.6	3619525	1.3E-03	1.7E-03	1.3E-04	6.2E-04	9.2E-06	4.0E-03	5.4E-08	1.3E-06	0	1.4E-06	2.2E-07	3.03E-06	3.0	0.000798
residential	488330.6	3618525	2.2E-03	5.6E-04	3.6E-05	7.2E-04	5.9E-05	4.0E-03	5.4E-08	1.3E-06	0	1.4E-06	2.2E-07	3.03E-06	3.0	0.000797
residential	488230.6	3618725	2.3E-03	5.6E-04	3.6E-05	7.0E-04	5.7E-05	4.0E-03	5.4E-08	1.3E-06	0	1.4E-06	2.2E-07	3.03E-06	3.0	0.000797
residential	489130.6	3617825	2.4E-03	4.9E-04	3.0E-05	7.0E-04	4.0E-05	4.0E-03	5.4E-08	1.3E-06	0	1.4E-06	2.2E-07	3.02E-06	3.0	0.000796
residential	488930.6	3616525	2.7E-03	4.3E-04	2.2E-05	5.6E-04	4.1E-05	4.0E-03	5.4E-08	1.3E-06	0	1.4E-06	2.2E-07	3.01E-06	3.0	0.000794
residential	485430.6	3620225	1.6E-03	9.9E-04	7.1E-05	9.8E-04	1.5E-05	4.0E-03	5.4E-08	1.3E-06	0	1.4E-06	2.2E-07	3.01E-06	3.0	0.000792
residential	488730.6	3618325	2.3E-03	5.3E-04	3.1E-05	7.0E-04	5.0E-05	4.0E-03	5.4E-08	1.3E-06	0	1.4E-06	2.2E-07	3E-06	3.0	0.000791
residential	488430.6	3618725	2.3E-03	5.5E-04	3.1E-05	6.8E-04	5.3E-05	3.9E-03	5.4E-08	1.3E-06	0	1.4E-06	2.2E-07	3E-06	3.0	0.000789
residential	489130.6	3616625	2.6E-03	4.3E-04	2.3E-05	5.7E-04	4.1E-05	3.9E-03	5.4E-08	1.3E-06	0	1.4E-06	2.2E-07	2.99E-06	3.0	0.000788
residential	488730.6	3616425	2.7E-03	4.3E-04	2.2E-05	5.5E-04	3.8E-05	3.9E-03	5.4E-08	1.3E-06	0	1.4E-06	2.2E-07	2.99E-06	3.0	0.000788
residential	484230.6	3619525	1.1E-03	2.1E-03	1.6E-04	3.5E-04	6.3E-06	3.9E-03	5.4E-08	1.3E-06	0	1.4E-06	2.2E-07	2.99E-06	3.0	0.000788
residential	488930.6	3618025	2.3E-03	5.1E-04	3.2E-05	7.0E-04	4.2E-05	3.9E-03	5.3E-08	1.3E-06	0	1.4E-06	2.2E-07	2.98E-06	3.0	0.000786
residential	488830.6	3618125	2.3E-03	5.2E-04	3.3E-05	7.1E-04	4.5E-05	3.9E-03	5.3E-08	1.3E-06	0	1.4E-06	2.2E-07	2.98E-06	3.0	0.000786
residential	489030.6	3618025	2.3E-03	5.1E-04	3.0E-05	6.9E-04	4.0E-05	3.9E-03	5.3E-08	1.3E-06	0	1.4E-06	2.2E-07	2.98E-06	3.0	0.000785
residential	488630.6	3618525	2.3E-03	5.4E-04	2.9E-05	6.9E-04	5.1E-05	3.9E-03	5.3E-08	1.3E-06	0	1.4E-06	2.2E-07	2.98E-06	3.0	0.000784
residential	488330.6	3618625	2.2E-03	5.5E-04	3.5E-05	6.9E-04	5.7E-05	3.9E-03	5.3E-08	1.3E-06	0	1.4E-06	2.2E-07	2.97E-06	3.0	0.000784
residential	488230.6	3618825	2.3E-03	5.5E-04	3.5E-05	6.7E-04	5.4E-05	3.9E-03	5.3E-08	1.3E-06	0	1.4E-06	2.2E-07	2.97E-06	3.0	0.000783
residential	484530.6	3619525	1.2E-03	1.8E-03	1.4E-04	4.8E-04	7.6E-06	3.9E-03	5.3E-08	1.3E-06	0	1.4E-06	2.2E-07	2.97E-06	3.0	0.000782
residential	488530.6	3618625	2.3E-03	5.5E-04	3.1E-05	6.8E-04	5.2E-05	3.9E-03	5.3E-08	1.3E-06	0	1.4E-06	2.2E-07	2.97E-06	3.0	0.000781
residential	485230.6	3620025	1.5E-03	1.1E-03	8.4E-05	9.0E-04	1.3E-05	3.9E-03	5.3E-08	1.3E-06	0	1.4E-06	2.1E-07	2.96E-06	3.0	0.000779
residential	489030.6	3616525	2.6E-03	4.2E-04	2.2E-05	5.5E-04	3.9E-05	3.9E-03	5.3E-08	1.3E-06	0	1.4E-06	2.1E-07	2.95E-06	2.9	0.000776
residential	485330.6	3620125	1.6E-03	1.0E-03	7.6E-05	9.2E-04	1.3E-05	3.9E-03	5.3E-08	1.3E-06	0	1.4E-06	2.1E-07	2.94E-06	2.9	0.000774
residential	484930.6	3619725	1.3E-03	1.4E-03	1.1E-04	7.2E-04	1.1E-05	3.9E-03	5.3E-08	1.3E-06	0	1.4E-06	2.1E-07	2.94E-06	2.9	0.000774

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	489130.6	3617925	2.3E-03	4.9E-04	3.0E-05	6.8E-04	3.8E-05	3.9E-03	5.3E-08	1.3E-06	0	1.4E-06	2.1E-07	2.93E-06	2.9	0.000773
residential	488830.6	3616425	2.6E-03	4.2E-04	2.1E-05	5.3E-04	3.8E-05	3.9E-03	5.2E-08	1.3E-06	0	1.4E-06	2.1E-07	2.93E-06	2.9	0.000771
residential	488230.6	3618925	2.3E-03	5.4E-04	3.5E-05	6.5E-04	5.1E-05	3.9E-03	5.2E-08	1.3E-06	0	1.4E-06	2.1E-07	2.93E-06	2.9	0.000771
residential	484430.6	3619525	1.2E-03	1.9E-03	1.5E-04	4.2E-04	7.0E-06	3.9E-03	5.2E-08	1.3E-06	0	1.4E-06	2.1E-07	2.93E-06	2.9	0.000771
residential	488430.6	3618825	2.3E-03	5.4E-04	3.1E-05	6.5E-04	5.0E-05	3.9E-03	5.2E-08	1.3E-06	0	1.4E-06	2.1E-07	2.93E-06	2.9	0.000771
residential	488330.6	3618725	2.2E-03	5.5E-04	3.5E-05	6.7E-04	5.4E-05	3.9E-03	5.2E-08	1.3E-06	0	1.4E-06	2.1E-07	2.92E-06	2.9	0.00077
residential	485030.6	3619825	1.4E-03	1.3E-03	1.0E-04	7.8E-04	1.2E-05	3.8E-03	5.2E-08	1.3E-06	0	1.4E-06	2.1E-07	2.92E-06	2.9	0.000769
residential	485130.6	3619925	1.4E-03	1.2E-03	9.1E-05	8.3E-04	1.2E-05	3.8E-03	5.2E-08	1.3E-06	0	1.4E-06	2.1E-07	2.92E-06	2.9	0.000768
residential	484830.6	3619625	1.3E-03	1.5E-03	1.2E-04	6.5E-04	1.0E-05	3.8E-03	5.2E-08	1.3E-06	0	1.4E-06	2.1E-07	2.91E-06	2.9	0.000765
residential	488230.6	3619025	2.3E-03	5.3E-04	3.4E-05	6.3E-04	4.9E-05	3.8E-03	5.2E-08	1.3E-06	0	1.4E-06	2.1E-07	2.9E-06	2.9	0.000765
residential	484330.6	3619525	1.1E-03	2.0E-03	1.6E-04	3.7E-04	6.5E-06	3.8E-03	5.2E-08	1.3E-06	0	1.4E-06	2.1E-07	2.9E-06	2.9	0.000763
residential	488830.6	3618225	2.2E-03	5.2E-04	3.2E-05	6.8E-04	4.5E-05	3.8E-03	5.2E-08	1.3E-06	0	1.4E-06	2.1E-07	2.9E-06	2.9	0.000763
residential	484030.6	3619625	1.0E-03	2.2E-03	1.7E-04	2.7E-04	5.4E-06	3.8E-03	5.2E-08	1.3E-06	0	1.4E-06	2.1E-07	2.89E-06	2.9	0.000762
residential	488630.6	3616325	2.6E-03	4.2E-04	2.1E-05	5.2E-04	3.4E-05	3.8E-03	5.2E-08	1.2E-06	0	1.4E-06	2.1E-07	2.89E-06	2.9	0.00076
residential	488930.6	3618125	2.2E-03	5.1E-04	3.2E-05	6.8E-04	4.2E-05	3.8E-03	5.2E-08	1.2E-06	0	1.4E-06	2.1E-07	2.88E-06	2.9	0.00076
residential	488530.6	3618725	2.2E-03	5.4E-04	3.1E-05	6.5E-04	5.0E-05	3.8E-03	5.2E-08	1.2E-06	0	1.4E-06	2.1E-07	2.88E-06	2.9	0.00076
residential	489130.6	3616525	2.6E-03	4.2E-04	2.2E-05	5.4E-04	3.8E-05	3.8E-03	5.2E-08	1.2E-06	0	1.4E-06	2.1E-07	2.88E-06	2.9	0.000759
residential	484130.6	3619625	1.0E-03	2.1E-03	1.6E-04	3.0E-04	5.7E-06	3.8E-03	5.1E-08	1.2E-06	0	1.4E-06	2.1E-07	2.87E-06	2.9	0.000756
residential	488730.6	3618425	2.2E-03	5.3E-04	3.1E-05	6.7E-04	4.8E-05	3.8E-03	5.1E-08	1.2E-06	0	1.4E-06	2.1E-07	2.87E-06	2.9	0.000756
residential	488930.6	3616425	2.6E-03	4.2E-04	2.1E-05	5.2E-04	3.7E-05	3.8E-03	5.1E-08	1.2E-06	0	1.4E-06	2.1E-07	2.87E-06	2.9	0.000756
residential	488630.6	3618625	2.2E-03	5.3E-04	3.0E-05	6.5E-04	4.9E-05	3.8E-03	5.1E-08	1.2E-06	0	1.4E-06	2.1E-07	2.86E-06	2.9	0.000754
residential	484730.6	3619625	1.2E-03	1.6E-03	1.2E-04	5.8E-04	8.9E-06	3.8E-03	5.1E-08	1.2E-06	0	1.4E-06	2.1E-07	2.86E-06	2.9	0.000753
residential	488330.6	3618825	2.2E-03	5.4E-04	3.4E-05	6.4E-04	5.1E-05	3.8E-03	5.1E-08	1.2E-06	0	1.4E-06	2.1E-07	2.85E-06	2.9	0.000752
residential	484630.6	3619625	1.2E-03	1.7E-03	1.3E-04	5.2E-04	8.1E-06	3.8E-03	5.1E-08	1.2E-06	0	1.4E-06	2.1E-07	2.85E-06	2.9	0.000752
residential	485430.6	3620325	1.6E-03	9.5E-04	6.8E-05	8.9E-04	1.4E-05	3.7E-03	5.1E-08	1.2E-06	0	1.4E-06	2.1E-07	2.84E-06	2.8	0.000749
residential	488730.6	3616325	2.6E-03	4.1E-04	2.1E-05	5.1E-04	3.4E-05	3.7E-03	5.1E-08	1.2E-06	0	1.4E-06	2.1E-07	2.84E-06	2.8	0.000747
recreational	485877.4	3617694	3.0E-02	1.5E-03	1.1E-04	1.8E-02	2.1E-03	5.8E-02	0	1.7E-06	9.8E-07	0	1E-07	2.83E-06	2.8	0.01159
residential	489030.6	3618125	2.2E-03	5.0E-04	3.1E-05	6.6E-04	3.9E-05	3.7E-03	5.1E-08	1.2E-06	0	1.3E-06	2.1E-07	2.83E-06	2.8	0.000745
residential	484530.6	3619625	1.2E-03	1.7E-03	1.3E-04	4.6E-04	7.3E-06	3.7E-03	5.1E-08	1.2E-06	0	1.3E-06	2E-07	2.82E-06	2.8	0.000743
residential	489030.6	3616425	2.5E-03	4.1E-04	2.1E-05	5.2E-04	3.6E-05	3.7E-03	5.1E-08	1.2E-06	0	1.3E-06	2E-07	2.82E-06	2.8	0.000743
residential	484830.6	3619725	1.3E-03	1.5E-03	1.1E-04	6.2E-04	9.7E-06	3.7E-03	5E-08	1.2E-06	0	1.3E-06	2E-07	2.82E-06	2.8	0.000742
residential	489130.6	3618025	2.2E-03	4.9E-04	3.0E-05	6.5E-04	3.7E-05	3.7E-03	5E-08	1.2E-06	0	1.3E-06	2E-07	2.81E-06	2.8	0.000742
residential	488330.6	3618925	2.2E-03	5.3E-04	3.4E-05	6.2E-04	4.9E-05	3.7E-03	5E-08	1.2E-06	0	1.3E-06	2E-07	2.81E-06	2.8	0.000741
residential	485130.6	3620025	1.4E-03	1.2E-03	8.7E-05	7.8E-04	1.2E-05	3.7E-03	5E-08	1.2E-06	0	1.3E-06	2E-07	2.79E-06	2.8	0.000734
residential	484430.6	3619625	1.1E-03	1.8E-03	1.4E-04	4.0E-04	6.7E-06	3.7E-03	5E-08	1.2E-06	0	1.3E-06	2E-07	2.79E-06	2.8	0.000734
residential	488830.6	3616325	2.5E-03	4.1E-04	2.1E-05	5.0E-04	3.3E-05	3.7E-03	5E-08	1.2E-06	0	1.3E-06	2E-07	2.79E-06	2.8	0.000734
residential	484230.6	3619625	1.0E-03	2.0E-03	1.5E-04	3.2E-04	6.0E-06	3.7E-03	5E-08	1.2E-06	0	1.3E-06	2E-07	2.78E-06	2.8	0.000733
residential	484130.6	3619725	1.0E-03	2.0E-03	1.4E-04	2.9E-04	5.4E-06	3.7E-03	5E-08	1.2E-06	0	1.3E-06	2E-07	2.77E-06	2.8	0.000731
residential	484930.6	3619825	1.3E-03	1.4E-03	1.0E-04	6.6E-04	1.0E-05	3.7E-03	5E-08	1.2E-06	0	1.3E-06	2E-07	2.77E-06	2.8	0.000731
residential	488930.6	3618225	2.1E-03	5.0E-04	3.2E-05	6.5E-04	4.1E-05	3.6E-03	5E-08	1.2E-06	0	1.3E-06	2E-07	2.77E-06	2.8	0.00073
residential	488830.6	3618325	2.1E-03	5.1E-04	3.2E-05	6.5E-04	4.4E-05	3.6E-03	5E-08	1.2E-06	0	1.3E-06	2E-07	2.77E-06	2.8	0.000729
residential	489130.6	3616425	2.5E-03	4.1E-04	2.1E-05	5.1E-04	3.5E-05	3.6E-03	5E-08	1.2E-06	0	1.3E-06	2E-07	2.76E-06	2.8	0.000728
residential	485030.6	3619925	1.3E-03	1.3E-03	9.5E-05	7.1E-04	1.1E-05	3.6E-03	4.9E-08	1.2E-06	0	1.3E-06	2E-07	2.76E-06	2.8	0.000728
residential	488730.6	3618525	2.1E-03	5.2E-04	3.1E-05	6.3E-04	4.7E-05	3.6E-03	4.9E-08	1.2E-06	0	1.3E-06	2E-07	2.76E-06	2.8	0.000727
residential	484730.6	3619725	1.2E-03	1.5E-03	1.2E-04	5.5E-04	8.7E-06	3.6E-03	4.9E-08	1.2E-06	0	1.3E-06	2E-07	2.75E-06	2.8	0.000725
recreational	485836.6	3617642	3.1E-02	1.5E-03	1.1E-04	1.7E-02	1.3E-03	5.6E-02	0	1.7E-06	9.5E-07	0	1E-07	2.75E-06	2.8	0.011269
residential	489130.6	3618125	2.1E-03	4.9E-04	3.0E-05	6.3E-04	3.6E-05	3.6E-03	4.9E-08	1.2E-06	0	1.3E-06	2E-07	2.75E-06	2.7	0.000724
residential	485330.6	3620225	1.5E-03	9.8E-04	7.0E-05	8.1E-04	1.2E-05	3.6E-03	4.9E-08	1.2E-06	0	1.3E-06	2E-07	2.74E-06	2.7	0.000723
residential	484030.6	3619725	9.7E-04	2.0E-03	1.5E-04	2.7E-04	5.1E-06	3.6E-03	4.9E-08	1.2E-06	0	1.3E-06	2E-07	2.74E-06	2.7	0.000723
residential	484330.6	3619625	1.1E-03	1.9E-03	1.5E-04	3.5E-04	6.2E-06	3.6E-03	4.9E-08	1.2E-06	0	1.3E-06	2E-07	2.74E-06	2.7	0.000722
residential	488930.6	3616325	2.5E-03	4.0E-04	2.0E-05	4.9E-04	3.3E-05	3.6E-03	4.9E-08	1.2E-06	0	1.3E-06	2E-07	2.74E-06	2.7	0.000721

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
recreational	485919.6	3617746	2.2E-02	1.5E-03	1.0E-04	1.9E-02	8.1E-03	5.6E-02	0	1.7E-06	9.4E-07	0	1E-07	2.73E-06	2.7	0.011174
school	486130.6	3618125	8.3E-03	1.3E-03	9.0E-05	9.2E-03	8.0E-04	2.5E-02	0	0	2.2E-06	5.1E-07	0	2.71E-06	2.7	0.005026
residential	484630.6	3619725	1.1E-03	1.6E-03	1.2E-04	4.9E-04	7.8E-06	3.6E-03	4.8E-08	1.2E-06	0	1.3E-06	2E-07	2.7E-06	2.7	0.000711
residential	485230.6	3620125	1.4E-03	1.0E-03	7.5E-05	7.6E-04	1.1E-05	3.6E-03	4.8E-08	1.2E-06	0	1.3E-06	2E-07	2.7E-06	2.7	0.000711
residential	488730.6	3616225	2.4E-03	4.0E-04	2.0E-05	4.8E-04	3.0E-05	3.5E-03	4.8E-08	1.2E-06	0	1.3E-06	2E-07	2.69E-06	2.7	0.00071
residential	489030.6	3616325	2.4E-03	4.0E-04	2.0E-05	4.9E-04	3.2E-05	3.5E-03	4.8E-08	1.2E-06	0	1.3E-06	2E-07	2.69E-06	2.7	0.000709
residential	485430.6	3620425	1.5E-03	9.0E-04	6.4E-05	8.1E-04	1.3E-05	3.5E-03	4.8E-08	1.2E-06	0	1.3E-06	1.9E-07	2.69E-06	2.7	0.000708
residential	484830.6	3619825	1.2E-03	1.4E-03	1.1E-04	5.8E-04	9.4E-06	3.5E-03	4.8E-08	1.2E-06	0	1.3E-06	1.9E-07	2.68E-06	2.7	0.000707
residential	488830.6	3618425	2.0E-03	5.1E-04	3.2E-05	6.2E-04	4.4E-05	3.5E-03	4.8E-08	1.2E-06	0	1.3E-06	1.9E-07	2.67E-06	2.7	0.000705
residential	484230.6	3619725	1.0E-03	1.9E-03	1.4E-04	3.1E-04	5.7E-06	3.5E-03	4.8E-08	1.2E-06	0	1.3E-06	1.9E-07	2.67E-06	2.7	0.000704
residential	489030.6	3618225	2.0E-03	4.9E-04	3.1E-05	6.2E-04	3.8E-05	3.5E-03	4.8E-08	1.2E-06	0	1.3E-06	1.9E-07	2.67E-06	2.7	0.000703
residential	484530.6	3619725	1.1E-03	1.7E-03	1.3E-04	4.3E-04	7.1E-06	3.5E-03	4.8E-08	1.2E-06	0	1.3E-06	1.9E-07	2.66E-06	2.7	0.000701
residential	484330.6	3619725	1.0E-03	1.8E-03	1.4E-04	3.5E-04	6.1E-06	3.5E-03	4.8E-08	1.2E-06	0	1.3E-06	1.9E-07	2.66E-06	2.7	0.000701
residential	484930.6	3619925	1.2E-03	1.3E-03	9.9E-05	6.2E-04	1.0E-05	3.5E-03	4.8E-08	1.1E-06	0	1.3E-06	1.9E-07	2.66E-06	2.7	0.0007
residential	488930.6	3618325	2.0E-03	5.0E-04	3.2E-05	6.1E-04	4.0E-05	3.5E-03	4.8E-08	1.1E-06	0	1.3E-06	1.9E-07	2.65E-06	2.7	0.000699
residential	485030.6	3620025	1.3E-03	1.2E-03	9.0E-05	6.7E-04	1.1E-05	3.5E-03	4.7E-08	1.1E-06	0	1.3E-06	1.9E-07	2.65E-06	2.6	0.000698
residential	488830.6	3616225	2.4E-03	4.0E-04	2.0E-05	4.7E-04	2.9E-05	3.5E-03	4.7E-08	1.1E-06	0	1.3E-06	1.9E-07	2.65E-06	2.6	0.000697
residential	489130.6	3616325	2.4E-03	3.9E-04	2.0E-05	4.8E-04	3.1E-05	3.5E-03	4.7E-08	1.1E-06	0	1.3E-06	1.9E-07	2.64E-06	2.6	0.000696
recreational	485955.6	3617717	2.5E-02	1.4E-03	9.9E-05	1.5E-02	8.0E-03	5.4E-02	0	1.6E-06	9.1E-07	0	9.8E-08	2.64E-06	2.6	0.010809
residential	484430.6	3619725	1.1E-03	1.7E-03	1.3E-04	3.9E-04	6.5E-06	3.5E-03	4.7E-08	1.1E-06	0	1.3E-06	1.9E-07	2.64E-06	2.6	0.000695
residential	484730.6	3619825	1.2E-03	1.5E-03	1.1E-04	5.2E-04	8.5E-06	3.5E-03	4.7E-08	1.1E-06	0	1.3E-06	1.9E-07	2.62E-06	2.6	0.000691
residential	484030.6	3619825	9.3E-04	1.9E-03	1.4E-04	2.6E-04	4.9E-06	3.4E-03	4.7E-08	1.1E-06	0	1.2E-06	1.9E-07	2.61E-06	2.6	0.000689
recreational	485934.2	3617687	3.0E-02	1.4E-03	1.0E-04	1.4E-02	2.8E-03	5.3E-02	0	1.6E-06	9E-07	0	9.7E-08	2.61E-06	2.6	0.010676
residential	488930.6	3616225	2.3E-03	3.9E-04	2.0E-05	4.6E-04	2.9E-05	3.4E-03	4.7E-08	1.1E-06	0	1.2E-06	1.9E-07	2.6E-06	2.6	0.000686
residential	485330.6	3620325	1.4E-03	9.3E-04	6.6E-05	7.4E-04	1.2E-05	3.4E-03	4.7E-08	1.1E-06	0	1.2E-06	1.9E-07	2.6E-06	2.6	0.000685
residential	485130.6	3620125	1.3E-03	1.1E-03	8.0E-05	6.9E-04	1.1E-05	3.4E-03	4.6E-08	1.1E-06	0	1.2E-06	1.9E-07	2.59E-06	2.6	0.000681
residential	484630.6	3619825	1.1E-03	1.5E-03	1.2E-04	4.6E-04	7.7E-06	3.4E-03	4.6E-08	1.1E-06	0	1.2E-06	1.9E-07	2.57E-06	2.6	0.000678
residential	484830.6	3619925	1.2E-03	1.4E-03	1.0E-04	5.5E-04	9.1E-06	3.4E-03	4.6E-08	1.1E-06	0	1.2E-06	1.9E-07	2.57E-06	2.6	0.000677
residential	484130.6	3619825	9.5E-04	1.9E-03	1.4E-04	2.7E-04	5.2E-06	3.4E-03	4.6E-08	1.1E-06	0	1.2E-06	1.9E-07	2.57E-06	2.6	0.000677
residential	485430.6	3620525	1.4E-03	8.7E-04	6.1E-05	7.5E-04	1.2E-05	3.4E-03	4.6E-08	1.1E-06	0	1.2E-06	1.9E-07	2.56E-06	2.6	0.000675
residential	489030.6	3616225	2.3E-03	3.9E-04	2.0E-05	4.5E-04	2.9E-05	3.4E-03	4.6E-08	1.1E-06	0	1.2E-06	1.9E-07	2.56E-06	2.6	0.000675
residential	484230.6	3619825	9.7E-04	1.8E-03	1.3E-04	3.0E-04	5.6E-06	3.4E-03	4.6E-08	1.1E-06	0	1.2E-06	1.9E-07	2.55E-06	2.6	0.000672
residential	484330.6	3619825	9.9E-04	1.7E-03	1.3E-04	3.4E-04	5.9E-06	3.3E-03	4.5E-08	1.1E-06	0	1.2E-06	1.8E-07	2.53E-06	2.5	0.000667
residential	484530.6	3619825	1.0E-03	1.6E-03	1.2E-04	4.1E-04	7.0E-06	3.3E-03	4.5E-08	1.1E-06	0	1.2E-06	1.8E-07	2.53E-06	2.5	0.000667
residential	484930.6	3620025	1.2E-03	1.2E-03	9.3E-05	5.8E-04	9.6E-06	3.3E-03	4.5E-08	1.1E-06	0	1.2E-06	1.8E-07	2.52E-06	2.5	0.000665
residential	484430.6	3619825	1.0E-03	1.6E-03	1.3E-04	3.7E-04	6.4E-06	3.3E-03	4.5E-08	1.1E-06	0	1.2E-06	1.8E-07	2.52E-06	2.5	0.000665
residential	489130.6	3616225	2.3E-03	3.8E-04	1.9E-05	4.5E-04	2.8E-05	3.3E-03	4.5E-08	1.1E-06	0	1.2E-06	1.8E-07	2.52E-06	2.5	0.000663
residential	485030.6	3620125	1.2E-03	1.1E-03	8.5E-05	6.2E-04	9.9E-06	3.3E-03	4.5E-08	1.1E-06	0	1.2E-06	1.8E-07	2.5E-06	2.5	0.000659
residential	484730.6	3619925	1.1E-03	1.4E-03	1.1E-04	4.9E-04	8.3E-06	3.3E-03	4.5E-08	1.1E-06	0	1.2E-06	1.8E-07	2.5E-06	2.5	0.000659
residential	485430.6	3620625	1.4E-03	8.5E-04	6.0E-05	7.2E-04	1.2E-05	3.3E-03	4.5E-08	1.1E-06	0	1.2E-06	1.8E-07	2.49E-06	2.5	0.000655
residential	484030.6	3619925	8.9E-04	1.8E-03	1.4E-04	2.5E-04	4.8E-06	3.3E-03	4.4E-08	1.1E-06	0	1.2E-06	1.8E-07	2.48E-06	2.5	0.000653
residential	485230.6	3620225	1.4E-03	9.6E-04	6.7E-05	6.5E-04	1.0E-05	3.3E-03	4.4E-08	1.1E-06	0	1.2E-06	1.8E-07	2.48E-06	2.5	0.000653
residential	488930.6	3616125	2.2E-03	3.8E-04	1.9E-05	4.4E-04	2.6E-05	3.3E-03	4.4E-08	1.1E-06	0	1.2E-06	1.8E-07	2.47E-06	2.5	0.000652
residential	484630.6	3619925	1.1E-03	1.5E-03	1.1E-04	4.4E-04	7.5E-06	3.2E-03	4.4E-08	1.1E-06	0	1.2E-06	1.8E-07	2.46E-06	2.5	0.000649
residential	484830.6	3620025	1.1E-03	1.3E-03	9.7E-05	5.2E-04	8.8E-06	3.2E-03	4.4E-08	1.1E-06	0	1.2E-06	1.8E-07	2.46E-06	2.5	0.000648
residential	484130.6	3619925	9.1E-04	1.8E-03	1.3E-04	2.7E-04	5.1E-06	3.2E-03	4.4E-08	1.1E-06	0	1.2E-06	1.8E-07	2.45E-06	2.4	0.000645
residential	489030.6	3616125	2.2E-03	3.8E-04	1.9E-05	4.3E-04	2.6E-05	3.2E-03	4.4E-08	1.1E-06	0	1.2E-06	1.8E-07	2.44E-06	2.4	0.000642
residential	484530.6	3619925	1.0E-03	1.5E-03	1.1E-04	4.0E-04	6.8E-06	3.2E-03	4.4E-08	1.1E-06	0	1.2E-06	1.8E-07	2.43E-06	2.4	0.00064
residential	484230.6	3619925	9.3E-04	1.7E-03	1.3E-04	2.9E-04	5.4E-06	3.2E-03	4.3E-08	1.1E-06	0	1.2E-06	1.8E-07	2.43E-06	2.4	0.00064
residential	484930.6	3620125	1.2E-03	1.2E-03	8.9E-05	5.5E-04	9.2E-06	3.2E-03	4.3E-08	1E-06	0	1.2E-06	1.8E-07	2.42E-06	2.4	0.000638
residential	485330.6	3620425	1.4E-03	8.8E-04	6.0E-05	6.5E-04	1.1E-05	3.2E-03	4.3E-08	1E-06	0	1.2E-06	1.8E-07	2.42E-06	2.4	0.000638

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	484430.6	3619925	9.8E-04	1.6E-03	1.2E-04	3.6E-04	6.3E-06	3.2E-03	4.3E-08	1E-06	0	1.2E-06	1.8E-07	2.42E-06	2.4	0.000637
residential	484330.6	3619925	9.5E-04	1.6E-03	1.2E-04	3.2E-04	5.8E-06	3.2E-03	4.3E-08	1E-06	0	1.2E-06	1.8E-07	2.42E-06	2.4	0.000636
residential	489130.6	3616125	2.2E-03	3.7E-04	1.9E-05	4.2E-04	2.5E-05	3.2E-03	4.3E-08	1E-06	0	1.1E-06	1.7E-07	2.4E-06	2.4	0.000633
residential	484730.6	3620025	1.1E-03	1.3E-03	1.0E-04	4.6E-04	8.0E-06	3.2E-03	4.3E-08	1E-06	0	1.1E-06	1.7E-07	2.39E-06	2.4	0.00063
residential	485130.6	3620225	1.3E-03	1.0E-03	7.1E-05	5.9E-04	9.6E-06	3.1E-03	4.3E-08	1E-06	0	1.1E-06	1.7E-07	2.39E-06	2.4	0.000629
residential	484030.6	3620025	8.7E-04	1.7E-03	1.3E-04	2.5E-04	4.6E-06	3.1E-03	4.3E-08	1E-06	0	1.1E-06	1.7E-07	2.37E-06	2.4	0.000625
residential	485030.6	3620225	1.2E-03	1.1E-03	8.0E-05	5.7E-04	9.4E-06	3.1E-03	4.2E-08	1E-06	0	1.1E-06	1.7E-07	2.37E-06	2.4	0.000625
recreational	485958.4	3617628	3.0E-02	1.4E-03	9.6E-05	1.1E-02	1.7E-03	4.8E-02	0	1.5E-06	8.1E-07	0	8.7E-08	2.36E-06	2.4	0.009652
residential	485230.6	3620325	1.3E-03	9.2E-04	6.3E-05	6.0E-04	9.6E-06	3.1E-03	4.2E-08	1E-06	0	1.1E-06	1.7E-07	2.36E-06	2.4	0.00062
residential	484630.6	3620025	1.0E-03	1.4E-03	1.0E-04	4.2E-04	7.3E-06	3.1E-03	4.2E-08	1E-06	0	1.1E-06	1.7E-07	2.35E-06	2.4	0.00062
recreational	486000.5	3617683	2.5E-02	1.4E-03	9.4E-05	1.1E-02	5.2E-03	4.8E-02	0	1.4E-06	8.1E-07	0	8.7E-08	2.34E-06	2.3	0.009589
residential	484130.6	3620025	8.8E-04	1.7E-03	1.2E-04	2.6E-04	5.0E-06	3.1E-03	4.2E-08	1E-06	0	1.1E-06	1.7E-07	2.34E-06	2.3	0.000616
residential	484830.6	3620125	1.1E-03	1.2E-03	9.2E-05	4.8E-04	8.4E-06	3.1E-03	4.2E-08	1E-06	0	1.1E-06	1.7E-07	2.33E-06	2.3	0.000614
residential	484230.6	3620025	9.0E-04	1.6E-03	1.2E-04	2.9E-04	5.3E-06	3.1E-03	4.2E-08	1E-06	0	1.1E-06	1.7E-07	2.32E-06	2.3	0.000611
residential	489030.6	3616025	2.1E-03	3.7E-04	1.8E-05	4.0E-04	2.3E-05	3.1E-03	4.2E-08	1E-06	0	1.1E-06	1.7E-07	2.32E-06	2.3	0.000611
residential	484530.6	3620025	9.7E-04	1.4E-03	1.1E-04	3.8E-04	6.7E-06	3.0E-03	4.1E-08	1E-06	0	1.1E-06	1.7E-07	2.31E-06	2.3	0.00061
residential	484330.6	3620025	9.2E-04	1.5E-03	1.2E-04	3.1E-04	5.7E-06	3.0E-03	4.1E-08	1E-06	0	1.1E-06	1.7E-07	2.31E-06	2.3	0.000609
residential	484430.6	3620025	9.4E-04	1.5E-03	1.1E-04	3.4E-04	6.1E-06	3.0E-03	4.1E-08	9.9E-07	0	1.1E-06	1.7E-07	2.3E-06	2.3	0.000605
residential	484930.6	3620225	1.1E-03	1.1E-03	8.3E-05	5.1E-04	8.7E-06	3.0E-03	4.1E-08	9.9E-07	0	1.1E-06	1.7E-07	2.29E-06	2.3	0.000604
residential	489130.6	3616025	2.1E-03	3.6E-04	1.8E-05	4.0E-04	2.3E-05	3.0E-03	4.1E-08	9.9E-07	0	1.1E-06	1.7E-07	2.29E-06	2.3	0.000603
residential	485330.6	3620525	1.3E-03	8.3E-04	5.6E-05	5.9E-04	9.7E-06	3.0E-03	4.1E-08	9.9E-07	0	1.1E-06	1.7E-07	2.28E-06	2.3	0.0006
residential	485130.6	3620325	1.2E-03	9.6E-04	6.7E-05	5.5E-04	9.1E-06	3.0E-03	4.1E-08	9.9E-07	0	1.1E-06	1.7E-07	2.28E-06	2.3	0.0006
residential	484730.6	3620125	1.0E-03	1.3E-03	9.5E-05	4.3E-04	7.7E-06	3.0E-03	4.1E-08	9.8E-07	0	1.1E-06	1.6E-07	2.27E-06	2.3	0.000598
residential	484030.6	3620125	8.4E-04	1.6E-03	1.2E-04	2.4E-04	4.5E-06	3.0E-03	4.1E-08	9.8E-07	0	1.1E-06	1.6E-07	2.26E-06	2.3	0.000596
residential	485030.6	3620325	1.2E-03	1.0E-03	7.4E-05	5.2E-04	8.8E-06	3.0E-03	4E-08	9.7E-07	0	1.1E-06	1.6E-07	2.25E-06	2.2	0.000591
residential	484130.6	3620125	8.5E-04	1.6E-03	1.2E-04	2.5E-04	4.9E-06	2.9E-03	4E-08	9.7E-07	0	1.1E-06	1.6E-07	2.23E-06	2.2	0.000588
residential	485330.6	3620625	1.3E-03	8.2E-04	5.6E-05	5.8E-04	9.7E-06	2.9E-03	4E-08	9.7E-07	0	1.1E-06	1.6E-07	2.23E-06	2.2	0.000588
residential	484630.6	3620125	9.8E-04	1.3E-03	9.9E-05	3.9E-04	7.1E-06	2.9E-03	4E-08	9.7E-07	0	1.1E-06	1.6E-07	2.23E-06	2.2	0.000588
recreational	485905.3	3617589	2.8E-02	1.4E-03	9.8E-05	1.1E-02	1.1E-03	4.6E-02	0	1.4E-06	7.7E-07	0	8.3E-08	2.23E-06	2.2	0.009144
residential	485230.6	3620425	1.3E-03	8.8E-04	5.9E-05	5.5E-04	9.0E-06	2.9E-03	4E-08	9.7E-07	0	1.1E-06	1.6E-07	2.23E-06	2.2	0.000588
residential	484830.6	3620225	1.1E-03	1.2E-03	8.6E-05	4.5E-04	8.0E-06	2.9E-03	4E-08	9.6E-07	0	1.1E-06	1.6E-07	2.21E-06	2.2	0.000583
residential	484230.6	3620125	8.7E-04	1.5E-03	1.1E-04	2.8E-04	5.2E-06	2.9E-03	4E-08	9.6E-07	0	1.1E-06	1.6E-07	2.21E-06	2.2	0.000583
residential	484330.6	3620125	8.8E-04	1.5E-03	1.1E-04	3.0E-04	5.6E-06	2.9E-03	3.9E-08	9.5E-07	0	1E-06	1.6E-07	2.2E-06	2.2	0.00058
residential	484930.6	3620325	1.1E-03	1.1E-03	7.9E-05	4.8E-04	8.4E-06	2.9E-03	3.9E-08	9.5E-07	0	1E-06	1.6E-07	2.2E-06	2.2	0.000579
residential	484530.6	3620125	9.4E-04	1.3E-03	1.0E-04	3.6E-04	6.6E-06	2.9E-03	3.9E-08	9.5E-07	0	1E-06	1.6E-07	2.2E-06	2.2	0.000579
residential	484430.6	3620125	9.0E-04	1.4E-03	1.1E-04	3.3E-04	6.0E-06	2.9E-03	3.9E-08	9.4E-07	0	1E-06	1.6E-07	2.18E-06	2.2	0.000575
residential	489130.6	3615925	2.0E-03	3.5E-04	1.7E-05	3.8E-04	2.1E-05	2.9E-03	3.9E-08	9.4E-07	0	1E-06	1.6E-07	2.18E-06	2.2	0.000574
residential	484030.6	3620225	8.1E-04	1.6E-03	1.1E-04	2.4E-04	4.5E-06	2.9E-03	3.9E-08	9.4E-07	0	1E-06	1.6E-07	2.17E-06	2.2	0.00057
residential	484730.6	3620225	9.9E-04	1.2E-03	9.0E-05	4.1E-04	7.5E-06	2.8E-03	3.9E-08	9.4E-07	0	1E-06	1.6E-07	2.16E-06	2.2	0.00057
residential	485130.6	3620425	1.2E-03	9.1E-04	6.2E-05	5.0E-04	8.4E-06	2.8E-03	3.8E-08	9.3E-07	0	1E-06	1.6E-07	2.15E-06	2.1	0.000566
residential	484630.6	3620225	9.5E-04	1.2E-03	9.3E-05	3.7E-04	6.9E-06	2.8E-03	3.8E-08	9.2E-07	0	1E-06	1.5E-07	2.13E-06	2.1	0.000561
residential	484130.6	3620225	8.2E-04	1.5E-03	1.1E-04	2.5E-04	4.8E-06	2.8E-03	3.8E-08	9.2E-07	0	1E-06	1.5E-07	2.12E-06	2.1	0.00056
residential	485030.6	3620425	1.1E-03	9.7E-04	6.9E-05	4.8E-04	8.3E-06	2.8E-03	3.8E-08	9.2E-07	0	1E-06	1.5E-07	2.12E-06	2.1	0.00056
residential	485230.6	3620525	1.2E-03	8.4E-04	5.6E-05	5.1E-04	8.5E-06	2.8E-03	3.8E-08	9.2E-07	0	1E-06	1.5E-07	2.12E-06	2.1	0.000559
residential	485230.6	3620625	1.2E-03	8.4E-04	5.7E-05	5.2E-04	8.7E-06	2.8E-03	3.8E-08	9.1E-07	0	1E-06	1.5E-07	2.11E-06	2.1	0.000557
residential	484230.6	3620225	8.3E-04	1.4E-03	1.1E-04	2.7E-04	5.1E-06	2.8E-03	3.8E-08	9.1E-07	0	1E-06	1.5E-07	2.11E-06	2.1	0.000556
residential	484530.6	3620225	9.1E-04	1.3E-03	9.7E-05	3.4E-04	6.4E-06	2.8E-03	3.8E-08	9.1E-07	0	1E-06	1.5E-07	2.11E-06	2.1	0.000555
residential	484830.6	3620325	1.0E-03	1.1E-03	8.1E-05	4.2E-04	7.7E-06	2.8E-03	3.8E-08	9.1E-07	0	1E-06	1.5E-07	2.1E-06	2.1	0.000554
residential	484430.6	3620225	8.7E-04	1.3E-03	1.0E-04	3.2E-04	5.9E-06	2.8E-03	3.8E-08	9.1E-07	0	1E-06	1.5E-07	2.1E-06	2.1	0.000552
residential	484330.6	3620225	8.5E-04	1.4E-03	1.0E-04	2.9E-04	5.5E-06	2.8E-03	3.8E-08	9.1E-07	0	1E-06	1.5E-07	2.09E-06	2.1	0.000552
residential	484030.6	3620325	7.8E-04	1.5E-03	1.1E-04	2.3E-04	4.4E-06	2.7E-03	3.7E-08	8.9E-07	0	9.9E-07	1.5E-07	2.07E-06	2.1	0.000544

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	485130.6	3620625	1.1E-03	8.8E-04	6.1E-05	4.8E-04	8.3E-06	2.7E-03	3.7E-08	8.9E-07	0	9.8E-07	1.5E-07	2.07E-06	2.1	0.000544
residential	484730.6	3620325	9.6E-04	1.1E-03	8.5E-05	3.8E-04	7.2E-06	2.7E-03	3.7E-08	8.9E-07	0	9.8E-07	1.5E-07	2.06E-06	2.1	0.000543
residential	484930.6	3620425	1.0E-03	1.0E-03	7.2E-05	4.3E-04	7.8E-06	2.7E-03	3.7E-08	8.9E-07	0	9.8E-07	1.5E-07	2.06E-06	2.1	0.000542
residential	485130.6	3620525	1.1E-03	8.7E-04	5.9E-05	4.7E-04	8.0E-06	2.7E-03	3.7E-08	8.9E-07	0	9.8E-07	1.5E-07	2.06E-06	2.1	0.000542
residential	484630.6	3620325	9.2E-04	1.2E-03	8.9E-05	3.5E-04	6.7E-06	2.7E-03	3.7E-08	8.8E-07	0	9.7E-07	1.5E-07	2.04E-06	2.0	0.000538
residential	484130.6	3620325	7.8E-04	1.4E-03	1.0E-04	2.4E-04	4.7E-06	2.7E-03	3.6E-08	8.8E-07	0	9.7E-07	1.5E-07	2.03E-06	2.0	0.000534
residential	485030.6	3620525	1.1E-03	9.2E-04	6.4E-05	4.4E-04	7.8E-06	2.7E-03	3.6E-08	8.8E-07	0	9.7E-07	1.5E-07	2.03E-06	2.0	0.000534
residential	484530.6	3620325	8.8E-04	1.2E-03	9.2E-05	3.3E-04	6.3E-06	2.7E-03	3.6E-08	8.7E-07	0	9.6E-07	1.5E-07	2.02E-06	2.0	0.000531
residential	484430.6	3620325	8.4E-04	1.3E-03	9.5E-05	3.0E-04	5.8E-06	2.6E-03	3.6E-08	8.7E-07	0	9.6E-07	1.5E-07	2E-06	2.0	0.000528
residential	484230.6	3620325	8.0E-04	1.4E-03	1.0E-04	2.6E-04	5.0E-06	2.6E-03	3.6E-08	8.7E-07	0	9.5E-07	1.5E-07	2E-06	2.0	0.000527
residential	484830.6	3620425	9.8E-04	1.0E-03	7.5E-05	3.9E-04	7.3E-06	2.6E-03	3.6E-08	8.6E-07	0	9.5E-07	1.4E-07	1.99E-06	2.0	0.000525
residential	484330.6	3620325	8.1E-04	1.3E-03	9.8E-05	2.8E-04	5.4E-06	2.6E-03	3.6E-08	8.6E-07	0	9.5E-07	1.4E-07	1.99E-06	2.0	0.000525
residential	484730.6	3620425	9.3E-04	1.1E-03	8.0E-05	3.6E-04	6.9E-06	2.6E-03	3.5E-08	8.5E-07	0	9.4E-07	1.4E-07	1.97E-06	2.0	0.00052
residential	485030.6	3620625	1.1E-03	9.0E-04	6.3E-05	4.3E-04	7.7E-06	2.6E-03	3.5E-08	8.5E-07	0	9.4E-07	1.4E-07	1.97E-06	2.0	0.00052
residential	484930.6	3620525	1.0E-03	9.6E-04	6.8E-05	4.0E-04	7.4E-06	2.6E-03	3.5E-08	8.5E-07	0	9.4E-07	1.4E-07	1.97E-06	2.0	0.000518
residential	484030.6	3620425	7.5E-04	1.4E-03	1.0E-04	2.2E-04	4.4E-06	2.6E-03	3.5E-08	8.5E-07	0	9.4E-07	1.4E-07	1.97E-06	2.0	0.000518
residential	484630.6	3620425	8.9E-04	1.1E-03	8.4E-05	3.4E-04	6.5E-06	2.6E-03	3.5E-08	8.5E-07	0	9.3E-07	1.4E-07	1.96E-06	2.0	0.000515
residential	484530.6	3620425	8.5E-04	1.2E-03	8.7E-05	3.1E-04	6.1E-06	2.6E-03	3.5E-08	8.4E-07	0	9.2E-07	1.4E-07	1.94E-06	1.9	0.00051
residential	484130.6	3620425	7.5E-04	1.4E-03	9.9E-05	2.3E-04	4.6E-06	2.5E-03	3.5E-08	8.4E-07	0	9.2E-07	1.4E-07	1.93E-06	1.9	0.000509
residential	484230.6	3620425	7.7E-04	1.3E-03	9.7E-05	2.5E-04	4.9E-06	2.5E-03	3.4E-08	8.3E-07	0	9.1E-07	1.4E-07	1.91E-06	1.9	0.000504
residential	484430.6	3620425	8.1E-04	1.2E-03	9.0E-05	2.9E-04	5.7E-06	2.5E-03	3.4E-08	8.3E-07	0	9.1E-07	1.4E-07	1.91E-06	1.9	0.000503
residential	484830.6	3620525	9.5E-04	9.9E-04	7.0E-05	3.6E-04	7.0E-06	2.5E-03	3.4E-08	8.3E-07	0	9.1E-07	1.4E-07	1.91E-06	1.9	0.000503
residential	484330.6	3620425	7.8E-04	1.2E-03	9.3E-05	2.7E-04	5.3E-06	2.5E-03	3.4E-08	8.2E-07	0	9.1E-07	1.4E-07	1.9E-06	1.9	0.000501
residential	484030.6	3620525	7.3E-04	1.4E-03	9.5E-05	2.2E-04	4.3E-06	2.5E-03	3.4E-08	8.2E-07	0	9.1E-07	1.4E-07	1.9E-06	1.9	0.000501
residential	484730.6	3620525	9.0E-04	1.0E-03	7.5E-05	3.4E-04	6.6E-06	2.5E-03	3.4E-08	8.2E-07	0	9E-07	1.4E-07	1.88E-06	1.9	0.000496
residential	484630.6	3620525	8.6E-04	1.1E-03	7.9E-05	3.2E-04	6.3E-06	2.5E-03	3.3E-08	8.1E-07	0	8.9E-07	1.4E-07	1.86E-06	1.9	0.000491
residential	484130.6	3620525	7.3E-04	1.3E-03	9.4E-05	2.3E-04	4.5E-06	2.4E-03	3.3E-08	8E-07	0	8.8E-07	1.3E-07	1.85E-06	1.8	0.000486
residential	484530.6	3620525	8.2E-04	1.1E-03	8.2E-05	2.9E-04	5.9E-06	2.4E-03	3.3E-08	8E-07	0	8.8E-07	1.3E-07	1.84E-06	1.8	0.000485
residential	484030.6	3620625	7.2E-04	1.3E-03	9.0E-05	2.1E-04	4.3E-06	2.4E-03	3.3E-08	8E-07	0	8.8E-07	1.3E-07	1.84E-06	1.8	0.000485
residential	484230.6	3620525	7.4E-04	1.2E-03	9.2E-05	2.4E-04	4.8E-06	2.4E-03	3.3E-08	7.9E-07	0	8.7E-07	1.3E-07	1.83E-06	1.8	0.000483
residential	484330.6	3620525	7.6E-04	1.2E-03	8.8E-05	2.6E-04	5.2E-06	2.4E-03	3.3E-08	7.9E-07	0	8.7E-07	1.3E-07	1.83E-06	1.8	0.000482
residential	484430.6	3620525	7.8E-04	1.1E-03	8.5E-05	2.7E-04	5.5E-06	2.4E-03	3.3E-08	7.9E-07	0	8.7E-07	1.3E-07	1.82E-06	1.8	0.00048
residential	484130.6	3620625	7.1E-04	1.2E-03	9.0E-05	2.2E-04	4.5E-06	2.3E-03	3.2E-08	7.7E-07	0	8.5E-07	1.3E-07	1.78E-06	1.8	0.000468
residential	483930.6	3620725	6.8E-04	1.3E-03	8.7E-05	2.0E-04	3.9E-06	2.3E-03	3.2E-08	7.7E-07	0	8.4E-07	1.3E-07	1.77E-06	1.8	0.000466
residential	484530.6	3620625	8.0E-04	1.1E-03	7.7E-05	2.8E-04	5.7E-06	2.3E-03	3.2E-08	7.6E-07	0	8.4E-07	1.3E-07	1.77E-06	1.8	0.000465
residential	484230.6	3620625	7.2E-04	1.2E-03	8.7E-05	2.3E-04	4.8E-06	2.3E-03	3.1E-08	7.6E-07	0	8.4E-07	1.3E-07	1.75E-06	1.8	0.000462
residential	484430.6	3620625	7.6E-04	1.1E-03	8.1E-05	2.6E-04	5.4E-06	2.3E-03	3.1E-08	7.6E-07	0	8.4E-07	1.3E-07	1.75E-06	1.8	0.000462
residential	484330.6	3620625	7.4E-04	1.1E-03	8.4E-05	2.5E-04	5.1E-06	2.3E-03	3.1E-08	7.6E-07	0	8.3E-07	1.3E-07	1.75E-06	1.7	0.000461
residential	484030.6	3620725	6.8E-04	1.2E-03	8.7E-05	2.0E-04	4.2E-06	2.3E-03	3.1E-08	7.5E-07	0	8.3E-07	1.3E-07	1.74E-06	1.7	0.000459
residential	484130.6	3620725	6.8E-04	1.2E-03	8.5E-05	2.1E-04	4.4E-06	2.2E-03	3.1E-08	7.4E-07	0	8.1E-07	1.2E-07	1.71E-06	1.7	0.00045
residential	483930.6	3620825	6.5E-04	1.2E-03	8.4E-05	1.9E-04	3.9E-06	2.2E-03	3E-08	7.3E-07	0	8.1E-07	1.2E-07	1.7E-06	1.7	0.000447
residential	484530.6	3620725	7.7E-04	1.0E-03	7.4E-05	2.7E-04	5.5E-06	2.2E-03	3E-08	7.3E-07	0	8.1E-07	1.2E-07	1.7E-06	1.7	0.000447
residential	484230.6	3620725	6.9E-04	1.1E-03	8.3E-05	2.2E-04	4.7E-06	2.2E-03	3E-08	7.3E-07	0	8E-07	1.2E-07	1.68E-06	1.7	0.000444
residential	484430.6	3620725	7.4E-04	1.0E-03	7.6E-05	2.5E-04	5.2E-06	2.2E-03	3E-08	7.3E-07	0	8E-07	1.2E-07	1.68E-06	1.7	0.000444
residential	484330.6	3620725	7.1E-04	1.1E-03	7.9E-05	2.3E-04	4.9E-06	2.2E-03	3E-08	7.2E-07	0	8E-07	1.2E-07	1.67E-06	1.7	0.00044
residential	484030.6	3620825	6.5E-04	1.2E-03	8.3E-05	1.9E-04	4.1E-06	2.2E-03	3E-08	7.2E-07	0	7.9E-07	1.2E-07	1.66E-06	1.7	0.000438
residential	484130.6	3620825	6.6E-04	1.1E-03	8.2E-05	2.0E-04	4.3E-06	2.2E-03	2.9E-08	7.1E-07	0	7.8E-07	1.2E-07	1.64E-06	1.6	0.000432
residential	483830.6	3620925	6.2E-04	1.2E-03	8.2E-05	1.7E-04	3.6E-06	2.2E-03	2.9E-08	7.1E-07	0	7.8E-07	1.2E-07	1.64E-06	1.6	0.000431
residential	484230.6	3620825	6.8E-04	1.1E-03	7.9E-05	2.2E-04	4.6E-06	2.1E-03	2.9E-08	7.1E-07	0	7.8E-07	1.2E-07	1.63E-06	1.6	0.00043
residential	483930.6	3620925	6.3E-04	1.2E-03	8.1E-05	1.8E-04	3.9E-06	2.1E-03	2.9E-08	7E-07	0	7.7E-07	1.2E-07	1.62E-06	1.6	0.000427
residential	484330.6	3620825	6.9E-04	1.0E-03	7.5E-05	2.3E-04	4.8E-06	2.1E-03	2.9E-08	7E-07	0	7.7E-07	1.2E-07	1.61E-06	1.6	0.000424

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	484030.6	3620925	6.3E-04	1.1E-03	8.0E-05	1.9E-04	4.0E-06	2.1E-03	2.9E-08	6.9E-07	0	7.6E-07	1.2E-07	1.6E-06	1.6	0.000421
residential	484430.6	3620825	7.1E-04	9.8E-04	7.1E-05	2.3E-04	5.0E-06	2.1E-03	2.9E-08	6.9E-07	0	7.6E-07	1.2E-07	1.59E-06	1.6	0.00042
residential	483830.6	3621025	6.0E-04	1.2E-03	7.9E-05	1.7E-04	3.6E-06	2.1E-03	2.8E-08	6.8E-07	0	7.5E-07	1.1E-07	1.58E-06	1.6	0.000417
residential	484130.6	3620925	6.4E-04	1.1E-03	7.8E-05	2.0E-04	4.3E-06	2.1E-03	2.8E-08	6.8E-07	0	7.5E-07	1.1E-07	1.58E-06	1.6	0.000416
residential	483930.6	3621025	6.2E-04	1.1E-03	7.7E-05	1.7E-04	3.8E-06	2.1E-03	2.8E-08	6.8E-07	0	7.5E-07	1.1E-07	1.58E-06	1.6	0.000415
residential	484230.6	3620925	6.6E-04	1.0E-03	7.5E-05	2.1E-04	4.5E-06	2.1E-03	2.8E-08	6.8E-07	0	7.5E-07	1.1E-07	1.56E-06	1.6	0.000412
residential	477730.6	3618925	3.6E-04	1.5E-03	1.0E-04	8.5E-05	2.4E-06	2.0E-03	2.8E-08	6.7E-07	0	7.4E-07	1.1E-07	1.55E-06	1.6	0.00041
residential	484030.6	3621025	6.1E-04	1.1E-03	7.7E-05	1.8E-04	4.0E-06	2.0E-03	2.8E-08	6.7E-07	0	7.4E-07	1.1E-07	1.55E-06	1.5	0.000407
residential	484330.6	3620925	6.7E-04	9.9E-04	7.1E-05	2.2E-04	4.7E-06	2.0E-03	2.8E-08	6.7E-07	0	7.4E-07	1.1E-07	1.54E-06	1.5	0.000407
residential	482630.6	3621225	4.3E-04	1.4E-03	9.4E-05	8.1E-05	2.0E-06	2.0E-03	2.8E-08	6.6E-07	0	7.3E-07	1.1E-07	1.54E-06	1.5	0.000405
residential	483830.6	3621125	5.8E-04	1.1E-03	7.6E-05	1.6E-04	3.6E-06	2.0E-03	2.7E-08	6.6E-07	0	7.3E-07	1.1E-07	1.53E-06	1.5	0.000402
residential	484130.6	3621025	6.2E-04	1.0E-03	7.5E-05	1.9E-04	4.2E-06	2.0E-03	2.7E-08	6.6E-07	0	7.3E-07	1.1E-07	1.52E-06	1.5	0.000401
residential	483930.6	3621125	5.9E-04	1.1E-03	7.5E-05	1.7E-04	3.7E-06	2.0E-03	2.7E-08	6.5E-07	0	7.2E-07	1.1E-07	1.51E-06	1.5	0.000398
residential	484230.6	3621025	6.3E-04	9.9E-04	7.2E-05	2.0E-04	4.4E-06	2.0E-03	2.7E-08	6.5E-07	0	7.2E-07	1.1E-07	1.5E-06	1.5	0.000396
residential	483830.6	3621225	5.7E-04	1.1E-03	7.3E-05	1.6E-04	3.5E-06	2.0E-03	2.7E-08	6.4E-07	0	7.1E-07	1.1E-07	1.48E-06	1.5	0.000391
residential	484030.6	3621125	5.9E-04	1.0E-03	7.4E-05	1.8E-04	3.9E-06	2.0E-03	2.7E-08	6.4E-07	0	7.1E-07	1.1E-07	1.48E-06	1.5	0.00039
residential	477730.6	3619025	3.5E-04	1.4E-03	9.7E-05	8.2E-05	2.3E-06	1.9E-03	2.6E-08	6.4E-07	0	7E-07	1.1E-07	1.48E-06	1.5	0.000389
residential	484130.6	3621125	6.0E-04	9.9E-04	7.2E-05	1.8E-04	4.1E-06	1.9E-03	2.6E-08	6.3E-07	0	7E-07	1.1E-07	1.46E-06	1.5	0.000386
residential	483930.6	3621225	5.7E-04	1.0E-03	7.3E-05	1.6E-04	3.6E-06	1.9E-03	2.6E-08	6.3E-07	0	6.9E-07	1.1E-07	1.46E-06	1.5	0.000384
residential	484030.6	3621225	5.8E-04	1.0E-03	7.1E-05	1.7E-04	3.8E-06	1.9E-03	2.6E-08	6.2E-07	0	6.9E-07	1E-07	1.44E-06	1.4	0.000379
residential	477630.6	3618925	3.4E-04	1.3E-03	9.3E-05	7.7E-05	2.3E-06	1.9E-03	2.5E-08	6.1E-07	0	6.7E-07	1E-07	1.41E-06	1.4	0.000372
residential	484230.6	3621125	6.0E-04	9.2E-04	6.5E-05	1.8E-04	4.1E-06	1.8E-03	2.5E-08	6.1E-07	0	6.7E-07	1E-07	1.4E-06	1.4	0.000369
residential	477730.6	3619125	3.4E-04	1.3E-03	9.1E-05	7.3E-05	2.2E-06	1.8E-03	2.5E-08	6E-07	0	6.6E-07	1E-07	1.39E-06	1.4	0.000365
residential	484130.6	3621225	5.7E-04	9.3E-04	6.7E-05	1.7E-04	3.9E-06	1.8E-03	2.5E-08	6E-07	0	6.6E-07	1E-07	1.38E-06	1.4	0.000363
residential	477630.6	3619025	3.3E-04	1.2E-03	8.7E-05	7.4E-05	2.2E-06	1.8E-03	2.4E-08	5.8E-07	0	6.4E-07	9.7E-08	1.34E-06	1.3	0.000353
residential	477730.6	3619225	3.3E-04	1.2E-03	8.4E-05	7.0E-05	2.1E-06	1.7E-03	2.3E-08	5.6E-07	0	6.2E-07	9.4E-08	1.3E-06	1.3	0.000343
residential	477630.6	3619125	3.2E-04	1.2E-03	8.0E-05	7.1E-05	2.2E-06	1.7E-03	2.3E-08	5.5E-07	0	6E-07	9.2E-08	1.27E-06	1.3	0.000334
residential	477530.6	3619025	3.2E-04	1.1E-03	7.8E-05	7.3E-05	2.2E-06	1.6E-03	2.2E-08	5.3E-07	0	5.9E-07	9E-08	1.24E-06	1.2	0.000326
residential	477730.6	3619325	3.2E-04	1.1E-03	7.7E-05	6.7E-05	2.1E-06	1.6E-03	2.2E-08	5.3E-07	0	5.8E-07	8.8E-08	1.22E-06	1.2	0.000321
residential	477630.6	3619225	3.2E-04	1.1E-03	7.4E-05	6.8E-05	2.1E-06	1.6E-03	2.1E-08	5.2E-07	0	5.7E-07	8.7E-08	1.19E-06	1.2	0.000315
recreational	485830.6	3618525	5.7E-03	1.5E-03	1.0E-04	1.2E-02	3.4E-04	2.4E-02	0	7.3E-07	4.1E-07	0	4.4E-08	1.18E-06	1.2	0.004847
residential	479930.6	3621225	2.9E-04	1.1E-03	7.8E-05	4.8E-05	1.4E-06	1.6E-03	2.1E-08	5.1E-07	0	5.6E-07	8.6E-08	1.18E-06	1.2	0.000311
residential	477530.6	3619125	3.1E-04	1.1E-03	7.2E-05	7.0E-05	2.1E-06	1.5E-03	2.1E-08	5.1E-07	0	5.6E-07	8.5E-08	1.17E-06	1.2	0.000308
residential	480030.6	3621225	2.8E-04	1.1E-03	8.0E-05	4.8E-05	1.4E-06	1.5E-03	2.1E-08	5E-07	0	5.6E-07	8.5E-08	1.17E-06	1.2	0.000307
residential	477430.6	3619025	3.1E-04	1.0E-03	6.9E-05	7.1E-05	2.2E-06	1.5E-03	2.1E-08	5E-07	0	5.5E-07	8.3E-08	1.15E-06	1.1	0.000302
residential	477730.6	3619425	3.1E-04	1.0E-03	7.0E-05	6.4E-05	2.0E-06	1.5E-03	2E-08	4.9E-07	0	5.4E-07	8.2E-08	1.14E-06	1.1	0.000299
residential	479830.6	3621225	2.8E-04	1.1E-03	7.5E-05	4.7E-05	1.4E-06	1.5E-03	2E-08	4.9E-07	0	5.4E-07	8.2E-08	1.13E-06	1.1	0.000298
residential	477630.6	3619325	3.1E-04	1.0E-03	6.8E-05	6.5E-05	2.0E-06	1.5E-03	2E-08	4.8E-07	0	5.3E-07	8.1E-08	1.12E-06	1.1	0.000294
residential	479630.6	3621125	2.8E-04	1.0E-03	7.4E-05	4.8E-05	1.4E-06	1.5E-03	2E-08	4.8E-07	0	5.3E-07	8E-08	1.1E-06	1.1	0.000291
residential	477530.6	3619225	3.1E-04	9.8E-04	6.6E-05	6.7E-05	2.0E-06	1.4E-03	2E-08	4.8E-07	0	5.2E-07	8E-08	1.1E-06	1.1	0.00029
residential	479430.6	3621025	2.8E-04	1.0E-03	7.2E-05	4.8E-05	1.5E-06	1.4E-03	1.9E-08	4.7E-07	0	5.2E-07	7.9E-08	1.08E-06	1.1	0.000286
residential	477430.6	3619125	3.0E-04	9.6E-04	6.4E-05	6.8E-05	2.1E-06	1.4E-03	1.9E-08	4.7E-07	0	5.2E-07	7.9E-08	1.08E-06	1.1	0.000285
residential	479730.6	3621225	2.7E-04	1.0E-03	7.1E-05	4.7E-05	1.4E-06	1.4E-03	1.9E-08	4.7E-07	0	5.1E-07	7.8E-08	1.08E-06	1.1	0.000284
residential	479230.6	3620925	2.8E-04	9.9E-04	7.1E-05	4.9E-05	1.5E-06	1.4E-03	1.9E-08	4.6E-07	0	5.1E-07	7.8E-08	1.07E-06	1.1	0.000282
residential	477330.6	3619025	3.0E-04	9.4E-04	6.2E-05	6.9E-05	2.1E-06	1.4E-03	1.9E-08	4.6E-07	0	5.1E-07	7.7E-08	1.07E-06	1.1	0.000281
residential	479530.6	3621125	2.7E-04	9.8E-04	7.0E-05	4.7E-05	1.4E-06	1.4E-03	1.9E-08	4.6E-07	0	5.1E-07	7.7E-08	1.06E-06	1.1	0.00028
residential	479030.6	3620825	2.8E-04	9.7E-04	6.9E-05	5.0E-05	1.5E-06	1.4E-03	1.9E-08	4.6E-07	0	5E-07	7.7E-08	1.06E-06	1.1	0.000279
residential	477730.6	3619525	3.0E-04	9.3E-04	6.2E-05	6.1E-05	1.9E-06	1.4E-03	1.9E-08	4.5E-07	0	5E-07	7.6E-08	1.05E-06	1.0	0.000276
residential	479330.6	3621025	2.7E-04	9.5E-04	6.8E-05	4.8E-05	1.4E-06	1.4E-03	1.9E-08	4.5E-07	0	5E-07	7.5E-08	1.04E-06	1.0	0.000274
residential	479630.6	3621225	2.7E-04	9.6E-04	6.7E-05	4.6E-05	1.4E-06	1.4E-03	1.9E-08	4.5E-07	0	4.9E-07	7.5E-08	1.04E-06	1.0	0.000273
residential	477530.6	3619325	3.0E-04	9.1E-04	6.0E-05	6.4E-05	1.9E-06	1.4E-03	1.8E-08	4.5E-07	0	4.9E-07	7.5E-08	1.03E-06	1.0	0.000272

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	477630.6	3619425	3.0E-04	9.1E-04	6.0E-05	6.2E-05	1.9E-06	1.4E-03	1.8E-08	4.5E-07	0	4.9E-07	7.5E-08	1.03E-06	1.0	0.000272
residential	479130.6	3620925	2.7E-04	9.4E-04	6.7E-05	4.8E-05	1.5E-06	1.4E-03	1.8E-08	4.5E-07	0	4.9E-07	7.5E-08	1.03E-06	1.0	0.000272
residential	478930.6	3620825	2.8E-04	9.3E-04	6.6E-05	4.9E-05	1.5E-06	1.3E-03	1.8E-08	4.4E-07	0	4.9E-07	7.4E-08	1.02E-06	1.0	0.00027
residential	479430.6	3621125	2.7E-04	9.4E-04	6.6E-05	4.7E-05	1.4E-06	1.3E-03	1.8E-08	4.4E-07	0	4.9E-07	7.4E-08	1.02E-06	1.0	0.000269
residential	477430.6	3619225	3.0E-04	8.9E-04	5.8E-05	6.5E-05	2.0E-06	1.3E-03	1.8E-08	4.4E-07	0	4.8E-07	7.4E-08	1.01E-06	1.0	0.000267
residential	479230.6	3621025	2.7E-04	9.2E-04	6.5E-05	4.7E-05	1.4E-06	1.3E-03	1.8E-08	4.4E-07	0	4.8E-07	7.3E-08	1.01E-06	1.0	0.000265
residential	479530.6	3621225	2.7E-04	9.2E-04	6.4E-05	4.6E-05	1.4E-06	1.3E-03	1.8E-08	4.3E-07	0	4.8E-07	7.3E-08	1.01E-06	1.0	0.000265
residential	479030.6	3620925	2.7E-04	9.0E-04	6.4E-05	4.8E-05	1.4E-06	1.3E-03	1.8E-08	4.3E-07	0	4.7E-07	7.2E-08	9.96E-07	1.0	0.000262
residential	477330.6	3619125	2.9E-04	8.6E-04	5.5E-05	6.6E-05	2.0E-06	1.3E-03	1.8E-08	4.3E-07	0	4.7E-07	7.2E-08	9.94E-07	1.0	0.000262
residential	478830.6	3620825	2.8E-04	8.9E-04	6.3E-05	4.8E-05	1.5E-06	1.3E-03	1.8E-08	4.3E-07	0	4.7E-07	7.2E-08	9.87E-07	1.0	0.00026
residential	479330.6	3621125	2.7E-04	8.9E-04	6.2E-05	4.6E-05	1.4E-06	1.3E-03	1.8E-08	4.2E-07	0	4.7E-07	7.1E-08	9.8E-07	1.0	0.000258
residential	479130.6	3621025	2.7E-04	8.8E-04	6.2E-05	4.7E-05	1.4E-06	1.3E-03	1.7E-08	4.2E-07	0	4.7E-07	7.1E-08	9.75E-07	1.0	0.000257
residential	477830.6	3619825	2.9E-04	8.6E-04	5.6E-05	5.6E-05	1.7E-06	1.3E-03	1.7E-08	4.2E-07	0	4.6E-07	7.1E-08	9.74E-07	1.0	0.000257
residential	477230.6	3619025	2.9E-04	8.4E-04	5.2E-05	6.6E-05	2.0E-06	1.3E-03	1.7E-08	4.2E-07	0	4.6E-07	7E-08	9.68E-07	1.0	0.000255
residential	479430.6	3621225	2.6E-04	8.8E-04	6.1E-05	4.5E-05	1.4E-06	1.3E-03	1.7E-08	4.2E-07	0	4.6E-07	7E-08	9.68E-07	1.0	0.000255
residential	477730.6	3619625	2.9E-04	8.4E-04	5.4E-05	5.7E-05	1.8E-06	1.3E-03	1.7E-08	4.2E-07	0	4.6E-07	7E-08	9.6E-07	1.0	0.000253
residential	478930.6	3620925	2.7E-04	8.6E-04	6.0E-05	4.7E-05	1.4E-06	1.3E-03	1.7E-08	4.2E-07	0	4.6E-07	7E-08	9.59E-07	1.0	0.000253
residential	477530.6	3619425	2.9E-04	8.3E-04	5.3E-05	6.0E-05	1.9E-06	1.3E-03	1.7E-08	4.1E-07	0	4.6E-07	6.9E-08	9.58E-07	1.0	0.000252
residential	478530.6	3620625	2.8E-04	8.5E-04	5.9E-05	5.0E-05	1.5E-06	1.3E-03	1.7E-08	4.1E-07	0	4.6E-07	6.9E-08	9.57E-07	1.0	0.000252
residential	478630.6	3620725	2.8E-04	8.5E-04	5.9E-05	4.9E-05	1.5E-06	1.3E-03	1.7E-08	4.1E-07	0	4.6E-07	6.9E-08	9.57E-07	1.0	0.000252
residential	477630.6	3619525	2.8E-04	8.3E-04	5.3E-05	5.8E-05	1.8E-06	1.2E-03	1.7E-08	4.1E-07	0	4.5E-07	6.9E-08	9.49E-07	0.9	0.00025
residential	477430.6	3619325	2.9E-04	8.2E-04	5.2E-05	6.1E-05	1.9E-06	1.2E-03	1.7E-08	4.1E-07	0	4.5E-07	6.9E-08	9.47E-07	0.9	0.000249
residential	489651	3613672	7.6E-04	1.9E-04	9.4E-06	1.3E-04	9.3E-05	1.2E-03	1.7E-08	4.1E-07	0	4.5E-07	6.9E-08	9.46E-07	0.9	0.000249
residential	479030.6	3621025	2.7E-04	8.5E-04	5.9E-05	4.6E-05	1.4E-06	1.2E-03	1.7E-08	4.1E-07	0	4.5E-07	6.9E-08	9.46E-07	0.9	0.000249
residential	479230.6	3621125	2.6E-04	8.5E-04	5.9E-05	4.6E-05	1.4E-06	1.2E-03	1.7E-08	4.1E-07	0	4.5E-07	6.8E-08	9.44E-07	0.9	0.000249
residential	478430.6	3620525	2.8E-04	8.3E-04	5.7E-05	4.8E-05	1.5E-06	1.2E-03	1.7E-08	4.1E-07	0	4.5E-07	6.8E-08	9.42E-07	0.9	0.000248
residential	478230.6	3620325	2.8E-04	8.3E-04	5.6E-05	5.0E-05	1.6E-06	1.2E-03	1.7E-08	4.1E-07	0	4.5E-07	6.8E-08	9.4E-07	0.9	0.000248
residential	478330.6	3620425	2.8E-04	8.2E-04	5.6E-05	4.9E-05	1.6E-06	1.2E-03	1.7E-08	4.1E-07	0	4.5E-07	6.8E-08	9.37E-07	0.9	0.000247
residential	478730.6	3620825	2.7E-04	8.3E-04	5.8E-05	4.8E-05	1.4E-06	1.2E-03	1.7E-08	4.1E-07	0	4.5E-07	6.8E-08	9.36E-07	0.9	0.000247
recreational	484630.6	3617325	6.9E-03	2.2E-03	1.5E-04	8.3E-03	1.0E-04	1.9E-02	0	5.7E-07	3.2E-07	0	3.4E-08	9.28E-07	0.9	0.0038
residential	477330.6	3619225	2.8E-04	8.0E-04	4.9E-05	6.2E-05	1.9E-06	1.2E-03	1.7E-08	4E-07	0	4.4E-07	6.7E-08	9.27E-07	0.9	0.000244
residential	479330.6	3621225	2.6E-04	8.3E-04	5.7E-05	4.5E-05	1.4E-06	1.2E-03	1.7E-08	4E-07	0	4.4E-07	6.7E-08	9.26E-07	0.9	0.000244
residential	478830.6	3620925	2.7E-04	8.2E-04	5.7E-05	4.7E-05	1.4E-06	1.2E-03	1.7E-08	4E-07	0	4.4E-07	6.7E-08	9.21E-07	0.9	0.000243
residential	477230.6	3619125	2.8E-04	7.9E-04	4.8E-05	6.3E-05	1.9E-06	1.2E-03	1.6E-08	4E-07	0	4.4E-07	6.7E-08	9.18E-07	0.9	0.000242
residential	479130.6	3621125	2.6E-04	8.2E-04	5.6E-05	4.5E-05	1.4E-06	1.2E-03	1.6E-08	4E-07	0	4.4E-07	6.6E-08	9.15E-07	0.9	0.000241
residential	478930.6	3621025	2.6E-04	8.1E-04	5.6E-05	4.6E-05	1.4E-06	1.2E-03	1.6E-08	3.9E-07	0	4.4E-07	6.6E-08	9.12E-07	0.9	0.00024
residential	478530.6	3620725	2.7E-04	7.9E-04	5.5E-05	4.8E-05	1.5E-06	1.2E-03	1.6E-08	3.9E-07	0	4.3E-07	6.6E-08	9.05E-07	0.9	0.000238
residential	478630.6	3620825	2.7E-04	7.9E-04	5.5E-05	4.7E-05	1.4E-06	1.2E-03	1.6E-08	3.9E-07	0	4.3E-07	6.5E-08	9.02E-07	0.9	0.000238
residential	477830.6	3619925	2.8E-04	7.8E-04	4.9E-05	5.3E-05	1.7E-06	1.2E-03	1.6E-08	3.9E-07	0	4.3E-07	6.5E-08	9E-07	0.9	0.000237
residential	479230.6	3621225	2.6E-04	8.0E-04	5.5E-05	4.4E-05	1.3E-06	1.2E-03	1.6E-08	3.9E-07	0	4.3E-07	6.5E-08	8.99E-07	0.9	0.000237
residential	477730.6	3619725	2.8E-04	7.7E-04	4.8E-05	5.4E-05	1.7E-06	1.2E-03	1.6E-08	3.9E-07	0	4.3E-07	6.5E-08	8.94E-07	0.9	0.000236
residential	478730.6	3620925	2.6E-04	7.9E-04	5.4E-05	4.6E-05	1.4E-06	1.2E-03	1.6E-08	3.9E-07	0	4.3E-07	6.5E-08	8.93E-07	0.9	0.000235
residential	478430.6	3620625	2.7E-04	7.8E-04	5.3E-05	4.7E-05	1.5E-06	1.2E-03	1.6E-08	3.9E-07	0	4.3E-07	6.5E-08	8.93E-07	0.9	0.000235
recreational	484630.6	3617225	7.1E-03	2.0E-03	1.4E-04	7.7E-03	1.0E-04	1.8E-02	0	5.5E-07	3.1E-07	0	3.3E-08	8.92E-07	0.9	0.003656
residential	479030.6	3621125	2.6E-04	7.9E-04	5.4E-05	4.5E-05	1.4E-06	1.2E-03	1.6E-08	3.8E-07	0	4.2E-07	6.4E-08	8.87E-07	0.9	0.000234
residential	478330.6	3620525	2.7E-04	7.7E-04	5.1E-05	4.8E-05	1.5E-06	1.2E-03	1.6E-08	3.8E-07	0	4.2E-07	6.4E-08	8.85E-07	0.9	0.000233
residential	478830.6	3621025	2.6E-04	7.8E-04	5.3E-05	4.5E-05	1.4E-06	1.2E-03	1.6E-08	3.8E-07	0	4.2E-07	6.4E-08	8.84E-07	0.9	0.000233
residential	477530.6	3619525	2.8E-04	7.6E-04	4.6E-05	5.6E-05	1.8E-06	1.2E-03	1.6E-08	3.8E-07	0	4.2E-07	6.4E-08	8.84E-07	0.9	0.000233
residential	478230.6	3620425	2.7E-04	7.7E-04	5.0E-05	4.8E-05	1.5E-06	1.2E-03	1.6E-08	3.8E-07	0	4.2E-07	6.4E-08	8.83E-07	0.9	0.000233
residential	478030.6	3620225	2.7E-04	7.5E-04	4.8E-05	5.0E-05	1.6E-06	1.2E-03	1.6E-08	3.8E-07	0	4.2E-07	6.3E-08	8.75E-07	0.9	0.000231
residential	477430.6	3619425	2.8E-04	7.5E-04	4.5E-05	5.7E-05	1.8E-06	1.2E-03	1.6E-08	3.8E-07	0	4.2E-07	6.3E-08	8.75E-07	0.9	0.00023

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	478130.6	3620325	2.7E-04	7.6E-04	4.8E-05	4.9E-05	1.5E-06	1.2E-03	1.6E-08	3.8E-07	0	4.2E-07	6.3E-08	8.74E-07	0.9	0.00023
residential	478930.6	3621125	2.6E-04	7.6E-04	5.2E-05	4.4E-05	1.3E-06	1.1E-03	1.6E-08	3.8E-07	0	4.1E-07	6.3E-08	8.68E-07	0.9	0.000229
residential	479130.6	3621225	2.5E-04	7.7E-04	5.2E-05	4.4E-05	1.3E-06	1.1E-03	1.6E-08	3.7E-07	0	4.1E-07	6.3E-08	8.66E-07	0.9	0.000228
school	487472.4	3617865	4.4E-03	7.2E-04	4.8E-05	1.7E-03	1.7E-04	8.0E-03	0	0	7E-07	1.6E-07	0	8.64E-07	0.9	0.001604
residential	478530.6	3620825	2.6E-04	7.5E-04	5.1E-05	4.7E-05	1.4E-06	1.1E-03	1.5E-08	3.7E-07	0	4.1E-07	6.3E-08	8.62E-07	0.9	0.000227
residential	477630.6	3619625	2.7E-04	7.4E-04	4.4E-05	5.4E-05	1.7E-06	1.1E-03	1.5E-08	3.7E-07	0	4.1E-07	6.2E-08	8.61E-07	0.9	0.000227
residential	477330.6	3619325	2.7E-04	7.3E-04	4.3E-05	5.8E-05	1.8E-06	1.1E-03	1.5E-08	3.7E-07	0	4.1E-07	6.2E-08	8.6E-07	0.9	0.000227
school	487530.6	3617825	4.4E-03	7.0E-04	4.7E-05	1.7E-03	1.8E-04	7.9E-03	0	0	6.9E-07	1.6E-07	0	8.56E-07	0.9	0.001588
residential	478630.6	3620925	2.6E-04	7.4E-04	5.1E-05	4.6E-05	1.4E-06	1.1E-03	1.5E-08	3.7E-07	0	4.1E-07	6.2E-08	8.55E-07	0.9	0.000225
residential	477730.6	3619825	2.7E-04	7.3E-04	4.5E-05	5.3E-05	1.7E-06	1.1E-03	1.5E-08	3.7E-07	0	4.1E-07	6.2E-08	8.52E-07	0.9	0.000224
residential	478430.6	3620725	2.6E-04	7.4E-04	4.9E-05	4.5E-05	1.4E-06	1.1E-03	1.5E-08	3.7E-07	0	4.1E-07	6.2E-08	8.51E-07	0.9	0.000224
residential	477930.6	3620125	2.7E-04	7.3E-04	4.5E-05	5.0E-05	1.6E-06	1.1E-03	1.5E-08	3.7E-07	0	4E-07	6.2E-08	8.49E-07	0.8	0.000224
recreational	484530.6	3617325	6.4E-03	2.2E-03	1.6E-04	7.3E-03	9.3E-05	1.7E-02	0	5.2E-07	2.9E-07	0	3.1E-08	8.42E-07	0.8	0.00345
residential	478730.6	3621025	2.6E-04	7.3E-04	4.9E-05	4.5E-05	1.4E-06	1.1E-03	1.5E-08	3.6E-07	0	4E-07	6.1E-08	8.42E-07	0.8	0.000222
residential	479030.6	3621225	2.5E-04	7.3E-04	4.9E-05	4.3E-05	1.3E-06	1.1E-03	1.5E-08	3.6E-07	0	4E-07	6.1E-08	8.36E-07	0.8	0.00022
residential	477230.6	3619225	2.7E-04	7.0E-04	4.0E-05	5.8E-05	1.8E-06	1.1E-03	1.5E-08	3.6E-07	0	4E-07	6E-08	8.32E-07	0.8	0.000219
residential	478130.6	3620425	2.7E-04	7.1E-04	4.5E-05	4.8E-05	1.5E-06	1.1E-03	1.5E-08	3.6E-07	0	4E-07	6E-08	8.31E-07	0.8	0.000219
residential	478230.6	3620525	2.7E-04	7.1E-04	4.5E-05	4.7E-05	1.5E-06	1.1E-03	1.5E-08	3.6E-07	0	4E-07	6E-08	8.31E-07	0.8	0.000219
residential	478830.6	3621125	2.5E-04	7.2E-04	4.9E-05	4.4E-05	1.3E-06	1.1E-03	1.5E-08	3.6E-07	0	4E-07	6E-08	8.31E-07	0.8	0.000219
residential	478330.6	3620625	2.6E-04	7.1E-04	4.6E-05	4.6E-05	1.5E-06	1.1E-03	1.5E-08	3.6E-07	0	4E-07	6E-08	8.3E-07	0.8	0.000219
residential	477830.6	3620025	2.7E-04	7.0E-04	4.3E-05	5.0E-05	1.6E-06	1.1E-03	1.5E-08	3.6E-07	0	3.9E-07	6E-08	8.28E-07	0.8	0.000218
school	487557.2	3617865	4.3E-03	7.0E-04	4.7E-05	1.6E-03	1.7E-04	7.6E-03	0	0	6.7E-07	1.6E-07	0	8.24E-07	0.8	0.001529
residential	477130.6	3619025	2.7E-04	6.8E-04	3.9E-05	5.8E-05	1.8E-06	1.1E-03	1.5E-08	3.5E-07	0	3.9E-07	5.9E-08	8.19E-07	0.8	0.000216
recreational	484530.6	3617225	6.6E-03	2.0E-03	1.4E-04	6.8E-03	9.4E-05	1.7E-02	0	5E-07	2.8E-07	0	3E-08	8.17E-07	0.8	0.003348
residential	477530.6	3619625	2.7E-04	6.9E-04	4.0E-05	5.3E-05	1.7E-06	1.1E-03	1.5E-08	3.5E-07	0	3.9E-07	5.9E-08	8.16E-07	0.8	0.000215
residential	478430.6	3620825	2.6E-04	7.0E-04	4.6E-05	4.6E-05	1.4E-06	1.1E-03	1.5E-08	3.5E-07	0	3.9E-07	5.9E-08	8.13E-07	0.8	0.000214
residential	478030.6	3620325	2.7E-04	6.9E-04	4.3E-05	4.8E-05	1.5E-06	1.1E-03	1.5E-08	3.5E-07	0	3.9E-07	5.9E-08	8.12E-07	0.8	0.000214
residential	478530.6	3620925	2.6E-04	7.0E-04	4.6E-05	4.5E-05	1.4E-06	1.1E-03	1.5E-08	3.5E-07	0	3.9E-07	5.9E-08	8.12E-07	0.8	0.000214
school	487630.6	3617825	4.2E-03	6.9E-04	4.6E-05	1.5E-03	1.8E-04	7.5E-03	0	0	6.6E-07	1.5E-07	0	8.11E-07	0.8	0.001504
residential	478930.6	3621225	2.5E-04	7.1E-04	4.7E-05	4.3E-05	1.3E-06	1.1E-03	1.5E-08	3.5E-07	0	3.9E-07	5.9E-08	8.1E-07	0.8	0.000214
school	487680.7	3617783	4.2E-03	6.8E-04	4.5E-05	1.5E-03	2.0E-04	7.5E-03	0	0	6.6E-07	1.5E-07	0	8.08E-07	0.8	0.0015
residential	478630.6	3621025	2.5E-04	6.9E-04	4.6E-05	4.4E-05	1.3E-06	1.1E-03	1.4E-08	3.5E-07	0	3.8E-07	5.8E-08	8.06E-07	0.8	0.000212
school	487530.6	3617925	4.1E-03	7.0E-04	4.7E-05	1.6E-03	1.5E-04	7.5E-03	0	0	6.5E-07	1.5E-07	0	8.06E-07	0.8	0.001496
residential	477430.6	3619525	2.7E-04	6.8E-04	3.9E-05	5.3E-05	1.7E-06	1.1E-03	1.4E-08	3.5E-07	0	3.8E-07	5.8E-08	8.04E-07	0.8	0.000212
residential	477630.6	3619725	2.6E-04	6.7E-04	3.9E-05	5.1E-05	1.6E-06	1.1E-03	1.4E-08	3.5E-07	0	3.8E-07	5.8E-08	8E-07	0.8	0.000211
residential	478330.6	3620725	2.6E-04	6.8E-04	4.4E-05	4.5E-05	1.4E-06	1.1E-03	1.4E-08	3.5E-07	0	3.8E-07	5.8E-08	7.99E-07	0.8	0.00021
residential	478730.6	3621125	2.5E-04	6.8E-04	4.5E-05	4.3E-05	1.3E-06	1.0E-03	1.4E-08	3.4E-07	0	3.8E-07	5.8E-08	7.94E-07	0.8	0.000209
residential	477230.6	3619325	2.6E-04	6.6E-04	3.7E-05	5.5E-05	1.7E-06	1.0E-03	1.4E-08	3.4E-07	0	3.8E-07	5.7E-08	7.89E-07	0.8	0.000208
recreational	484530.6	3617125	6.7E-03	1.8E-03	1.3E-04	6.3E-03	9.4E-05	1.6E-02	0	4.9E-07	2.7E-07	0	2.9E-08	7.86E-07	0.8	0.003222
residential	478230.6	3620625	2.6E-04	6.7E-04	4.1E-05	4.5E-05	1.4E-06	1.0E-03	1.4E-08	3.4E-07	0	3.7E-07	5.7E-08	7.86E-07	0.8	0.000207
residential	477730.6	3619925	2.6E-04	6.6E-04	3.9E-05	4.9E-05	1.6E-06	1.0E-03	1.4E-08	3.4E-07	0	3.7E-07	5.7E-08	7.85E-07	0.8	0.000207
residential	477930.6	3620225	2.6E-04	6.6E-04	4.0E-05	4.8E-05	1.5E-06	1.0E-03	1.4E-08	3.4E-07	0	3.7E-07	5.7E-08	7.84E-07	0.8	0.000207
residential	478130.6	3620525	2.6E-04	6.6E-04	4.0E-05	4.6E-05	1.5E-06	1.0E-03	1.4E-08	3.4E-07	0	3.7E-07	5.7E-08	7.84E-07	0.8	0.000207
residential	478830.6	3621225	2.5E-04	6.7E-04	4.4E-05	4.3E-05	1.3E-06	1.0E-03	1.4E-08	3.4E-07	0	3.7E-07	5.7E-08	7.8E-07	0.8	0.000205
recreational	484430.6	3617425	5.7E-03	2.3E-03	1.7E-04	6.6E-03	8.1E-05	1.6E-02	0	4.8E-07	2.7E-07	0	2.9E-08	7.78E-07	0.8	0.003187
residential	477330.6	3619425	2.6E-04	6.4E-04	3.6E-05	5.2E-05	1.7E-06	1.0E-03	1.4E-08	3.3E-07	0	3.7E-07	5.6E-08	7.72E-07	0.8	0.000203
recreational	484430.6	3617325	6.0E-03	2.1E-03	1.5E-04	6.4E-03	8.3E-05	1.6E-02	0	4.8E-07	2.7E-07	0	2.9E-08	7.7E-07	0.8	0.003154
school	487730.6	3617825	4.0E-03	6.7E-04	4.5E-05	1.4E-03	1.8E-04	7.1E-03	0	0	6.2E-07	1.4E-07	0	7.69E-07	0.8	0.001427
residential	477630.6	3619825	2.6E-04	6.4E-04	3.6E-05	4.9E-05	1.6E-06	1.0E-03	1.4E-08	3.3E-07	0	3.7E-07	5.6E-08	7.68E-07	0.8	0.000202
residential	478030.6	3620425	2.6E-04	6.4E-04	3.9E-05	4.6E-05	1.5E-06	1.0E-03	1.4E-08	3.3E-07	0	3.7E-07	5.6E-08	7.66E-07	0.8	0.000202
school	487630.6	3617925	3.9E-03	6.9E-04	4.6E-05	1.5E-03	1.5E-04	7.1E-03	0	0	6.2E-07	1.4E-07	0	7.66E-07	0.8	0.001421

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	478330.6	3620825	2.5E-04	6.5E-04	4.1E-05	4.3E-05	1.4E-06	1.0E-03	1.4E-08	3.3E-07	0	3.6E-07	5.5E-08	7.65E-07	0.8	0.000202
residential	477830.6	3620125	2.6E-04	6.4E-04	3.8E-05	4.8E-05	1.5E-06	1.0E-03	1.4E-08	3.3E-07	0	3.6E-07	5.5E-08	7.63E-07	0.8	0.000201
residential	477530.6	3619725	2.6E-04	6.3E-04	3.6E-05	5.0E-05	1.6E-06	1.0E-03	1.4E-08	3.3E-07	0	3.6E-07	5.5E-08	7.63E-07	0.8	0.000201
residential	478630.6	3621125	2.5E-04	6.5E-04	4.1E-05	4.3E-05	1.3E-06	1.0E-03	1.4E-08	3.3E-07	0	3.6E-07	5.5E-08	7.6E-07	0.8	0.0002
residential	477130.6	3619125	2.6E-04	6.2E-04	3.5E-05	5.4E-05	1.7E-06	1.0E-03	1.4E-08	3.3E-07	0	3.6E-07	5.5E-08	7.58E-07	0.8	0.0002
residential	478430.6	3620925	2.5E-04	6.4E-04	4.0E-05	4.2E-05	1.4E-06	1.0E-03	1.4E-08	3.3E-07	0	3.6E-07	5.5E-08	7.58E-07	0.8	0.0002
residential	478530.6	3621025	2.5E-04	6.4E-04	4.1E-05	4.1E-05	1.3E-06	1.0E-03	1.4E-08	3.3E-07	0	3.6E-07	5.5E-08	7.57E-07	0.8	0.000199
school	487530.6	3618025	3.8E-03	7.0E-04	4.7E-05	1.5E-03	1.3E-04	7.0E-03	0	0	6.1E-07	1.4E-07	0	7.55E-07	0.8	0.001401
residential	478230.6	3620725	2.5E-04	6.3E-04	3.9E-05	4.4E-05	1.4E-06	9.9E-04	1.4E-08	3.3E-07	0	3.6E-07	5.5E-08	7.54E-07	0.8	0.000199
recreational	484430.6	3617225	6.2E-03	2.0E-03	1.4E-04	6.1E-03	8.5E-05	1.5E-02	0	4.7E-07	2.6E-07	0	2.8E-08	7.54E-07	0.8	0.003089
recreational	484530.6	3617025	6.7E-03	1.7E-03	1.1E-04	5.8E-03	9.3E-05	1.5E-02	0	4.6E-07	2.6E-07	0	2.8E-08	7.51E-07	0.8	0.003078
residential	477430.6	3619625	2.6E-04	6.2E-04	3.4E-05	5.0E-05	1.6E-06	9.9E-04	1.3E-08	3.2E-07	0	3.6E-07	5.4E-08	7.49E-07	0.7	0.000197
residential	478730.6	3621225	2.4E-04	6.4E-04	4.0E-05	4.0E-05	1.3E-06	9.8E-04	1.3E-08	3.2E-07	0	3.6E-07	5.4E-08	7.47E-07	0.7	0.000197
residential	478130.6	3620625	2.5E-04	6.2E-04	3.7E-05	4.4E-05	1.4E-06	9.8E-04	1.3E-08	3.2E-07	0	3.5E-07	5.4E-08	7.42E-07	0.7	0.000195
residential	477930.6	3620325	2.5E-04	6.1E-04	3.7E-05	4.6E-05	1.5E-06	9.8E-04	1.3E-08	3.2E-07	0	3.5E-07	5.4E-08	7.41E-07	0.7	0.000195
school	487845.5	3617783	3.9E-03	6.5E-04	4.3E-05	1.4E-03	1.7E-04	6.9E-03	0	0	6E-07	1.4E-07	0	7.39E-07	0.7	0.00137
residential	477730.6	3620025	2.6E-04	6.1E-04	3.5E-05	4.7E-05	1.5E-06	9.7E-04	1.3E-08	3.2E-07	0	3.5E-07	5.4E-08	7.38E-07	0.7	0.000194
recreational	484430.6	3617125	6.3E-03	1.8E-03	1.2E-04	5.7E-03	8.6E-05	1.5E-02	0	4.5E-07	2.5E-07	0	2.7E-08	7.31E-07	0.7	0.002994
school	487830.6	3617825	3.8E-03	6.5E-04	4.3E-05	1.4E-03	1.7E-04	6.8E-03	0	0	5.9E-07	1.4E-07	0	7.3E-07	0.7	0.001355
school	487730.6	3617925	3.8E-03	6.7E-04	4.5E-05	1.4E-03	1.5E-04	6.7E-03	0	0	5.9E-07	1.4E-07	0	7.28E-07	0.7	0.00135
residential	477030.6	3619025	2.5E-04	5.9E-04	3.4E-05	5.3E-05	1.7E-06	9.5E-04	1.3E-08	3.1E-07	0	3.5E-07	5.2E-08	7.24E-07	0.7	0.000191
residential	478030.6	3620525	2.5E-04	6.0E-04	3.5E-05	4.5E-05	1.4E-06	9.5E-04	1.3E-08	3.1E-07	0	3.5E-07	5.2E-08	7.24E-07	0.7	0.000191
recreational	484630.6	3616825	7.0E-03	1.5E-03	9.2E-05	5.2E-03	9.8E-05	1.5E-02	0	4.5E-07	2.5E-07	0	2.7E-08	7.22E-07	0.7	0.002958
school	487630.6	3618025	3.6E-03	6.8E-04	4.6E-05	1.4E-03	1.3E-04	6.7E-03	0	0	5.8E-07	1.4E-07	0	7.19E-07	0.7	0.001333
residential	478330.6	3620925	2.5E-04	6.0E-04	3.6E-05	4.2E-05	1.3E-06	9.4E-04	1.3E-08	3.1E-07	0	3.4E-07	5.2E-08	7.17E-07	0.7	0.000189
residential	478230.6	3620825	2.5E-04	6.0E-04	3.6E-05	4.2E-05	1.4E-06	9.4E-04	1.3E-08	3.1E-07	0	3.4E-07	5.2E-08	7.17E-07	0.7	0.000189
residential	477630.6	3619925	2.5E-04	5.9E-04	3.2E-05	4.7E-05	1.5E-06	9.4E-04	1.3E-08	3.1E-07	0	3.4E-07	5.2E-08	7.17E-07	0.7	0.000189
residential	477330.6	3619525	2.5E-04	5.9E-04	3.2E-05	4.8E-05	1.6E-06	9.4E-04	1.3E-08	3.1E-07	0	3.4E-07	5.2E-08	7.16E-07	0.7	0.000189
residential	478630.6	3621225	2.4E-04	6.0E-04	3.7E-05	3.9E-05	1.3E-06	9.4E-04	1.3E-08	3.1E-07	0	3.4E-07	5.2E-08	7.12E-07	0.7	0.000187
residential	477830.6	3620225	2.5E-04	5.8E-04	3.3E-05	4.6E-05	1.5E-06	9.4E-04	1.3E-08	3.1E-07	0	3.4E-07	5.2E-08	7.11E-07	0.7	0.000187
school	487530.6	3618125	3.6E-03	6.9E-04	4.7E-05	1.4E-03	1.2E-04	6.6E-03	0	0	5.8E-07	1.3E-07	0	7.1E-07	0.7	0.001317
residential	477130.6	3619225	2.5E-04	5.8E-04	3.2E-05	5.0E-05	1.6E-06	9.3E-04	1.3E-08	3.1E-07	0	3.4E-07	5.1E-08	7.09E-07	0.7	0.000187
residential	478430.6	3621025	2.4E-04	5.9E-04	3.6E-05	4.1E-05	1.3E-06	9.3E-04	1.3E-08	3.1E-07	0	3.4E-07	5.1E-08	7.08E-07	0.7	0.000187
recreational	484530.6	3616925	6.4E-03	1.6E-03	1.1E-04	5.3E-03	9.2E-05	1.5E-02	0	4.4E-07	2.4E-07	0	2.6E-08	7.08E-07	0.7	0.002901
residential	478530.6	3621125	2.4E-04	6.0E-04	3.6E-05	4.0E-05	1.3E-06	9.3E-04	1.3E-08	3.1E-07	0	3.4E-07	5.1E-08	7.08E-07	0.7	0.000186
recreational	484330.6	3617425	5.3E-03	2.2E-03	1.6E-04	5.7E-03	7.3E-05	1.4E-02	0	4.4E-07	2.4E-07	0	2.6E-08	7.07E-07	0.7	0.002895
recreational	484330.6	3617325	5.6E-03	2.1E-03	1.5E-04	5.6E-03	7.5E-05	1.4E-02	0	4.4E-07	2.4E-07	0	2.6E-08	7.05E-07	0.7	0.002888
residential	477930.6	3620425	2.5E-04	5.7E-04	3.3E-05	4.5E-05	1.4E-06	9.2E-04	1.3E-08	3E-07	0	3.3E-07	5.1E-08	7.02E-07	0.7	0.000185
residential	477230.6	3619425	2.5E-04	5.7E-04	3.1E-05	4.8E-05	1.5E-06	9.2E-04	1.3E-08	3E-07	0	3.3E-07	5.1E-08	7.02E-07	0.7	0.000185
recreational	484430.6	3617025	6.2E-03	1.7E-03	1.2E-04	5.3E-03	8.5E-05	1.4E-02	0	4.3E-07	2.4E-07	0	2.6E-08	7E-07	0.7	0.002868
residential	477030.6	3619125	2.5E-04	5.7E-04	3.2E-05	5.1E-05	1.6E-06	9.2E-04	1.3E-08	3E-07	0	3.3E-07	5.1E-08	6.99E-07	0.7	0.000184
residential	478030.6	3620625	2.5E-04	5.7E-04	3.3E-05	4.4E-05	1.4E-06	9.2E-04	1.2E-08	3E-07	0	3.3E-07	5.1E-08	6.97E-07	0.7	0.000184
recreational	484330.6	3617225	5.8E-03	1.9E-03	1.3E-04	5.4E-03	7.7E-05	1.4E-02	0	4.3E-07	2.4E-07	0	2.6E-08	6.96E-07	0.7	0.002852
school	487830.6	3617925	3.6E-03	6.5E-04	4.3E-05	1.3E-03	1.4E-04	6.4E-03	0	0	5.6E-07	1.3E-07	0	6.94E-07	0.7	0.001287
residential	477430.6	3619725	2.5E-04	5.6E-04	3.0E-05	4.6E-05	1.5E-06	9.1E-04	1.2E-08	3E-07	0	3.3E-07	5E-08	6.93E-07	0.7	0.000183
residential	478130.6	3620725	2.4E-04	5.7E-04	3.3E-05	4.3E-05	1.4E-06	9.1E-04	1.2E-08	3E-07	0	3.3E-07	5E-08	6.91E-07	0.7	0.000182
residential	477530.6	3619825	2.5E-04	5.6E-04	3.0E-05	4.5E-05	1.5E-06	9.1E-04	1.2E-08	3E-07	0	3.3E-07	5E-08	6.91E-07	0.7	0.000182
residential	477730.6	3620125	2.5E-04	5.6E-04	3.0E-05	4.5E-05	1.5E-06	9.1E-04	1.2E-08	3E-07	0	3.3E-07	5E-08	6.87E-07	0.7	0.000181
residential	477330.6	3619625	2.5E-04	5.6E-04	3.0E-05	4.6E-05	1.5E-06	9.0E-04	1.2E-08	3E-07	0	3.3E-07	5E-08	6.85E-07	0.7	0.000181
residential	477130.6	3619325	2.5E-04	5.5E-04	3.0E-05	4.9E-05	1.5E-06	9.0E-04	1.2E-08	3E-07	0	3.3E-07	5E-08	6.85E-07	0.7	0.000181
school	487730.6	3618025	3.5E-03	6.6E-04	4.4E-05	1.3E-03	1.3E-04	6.4E-03	0	0	5.6E-07	1.3E-07	0	6.85E-07	0.7	0.00127

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
recreational	484330.6	3617125	5.9E-03	1.8E-03	1.2E-04	5.1E-03	7.8E-05	1.4E-02	0	4.2E-07	2.4E-07	0	2.5E-08	6.8E-07	0.7	0.002786
residential	477830.6	3620325	2.5E-04	5.5E-04	3.1E-05	4.4E-05	1.4E-06	8.9E-04	1.2E-08	2.9E-07	0	3.2E-07	4.9E-08	6.78E-07	0.7	0.000179
residential	477230.6	3619525	2.5E-04	5.4E-04	2.9E-05	4.6E-05	1.5E-06	8.9E-04	1.2E-08	2.9E-07	0	3.2E-07	4.9E-08	6.74E-07	0.7	0.000178
recreational	484530.6	3616825	6.3E-03	1.5E-03	9.9E-05	4.9E-03	9.0E-05	1.4E-02	0	4.2E-07	2.3E-07	0	2.5E-08	6.73E-07	0.7	0.002757
residential	477030.6	3619225	2.4E-04	5.4E-04	3.0E-05	4.9E-05	1.5E-06	8.9E-04	1.2E-08	2.9E-07	0	3.2E-07	4.9E-08	6.72E-07	0.7	0.000177
residential	478530.6	3621225	2.3E-04	5.6E-04	3.3E-05	3.8E-05	1.2E-06	8.8E-04	1.2E-08	2.9E-07	0	3.2E-07	4.9E-08	6.72E-07	0.7	0.000177
residential	478430.6	3621125	2.3E-04	5.6E-04	3.2E-05	3.9E-05	1.3E-06	8.8E-04	1.2E-08	2.9E-07	0	3.2E-07	4.9E-08	6.7E-07	0.7	0.000177
recreational	484430.6	3616925	6.1E-03	1.6E-03	1.1E-04	4.9E-03	8.4E-05	1.4E-02	0	4.1E-07	2.3E-07	0	2.5E-08	6.69E-07	0.7	0.002742
residential	477830.6	3620425	2.4E-04	5.4E-04	3.0E-05	4.4E-05	1.4E-06	8.8E-04	1.2E-08	2.9E-07	0	3.2E-07	4.9E-08	6.69E-07	0.7	0.000176
residential	478330.6	3621025	2.4E-04	5.5E-04	3.2E-05	4.0E-05	1.3E-06	8.8E-04	1.2E-08	2.9E-07	0	3.2E-07	4.9E-08	6.69E-07	0.7	0.000176
school	487630.6	3618125	3.4E-03	6.7E-04	4.5E-05	1.3E-03	1.1E-04	6.2E-03	0	0	5.4E-07	1.3E-07	0	6.69E-07	0.7	0.001241
residential	477630.6	3620025	2.5E-04	5.4E-04	2.9E-05	4.4E-05	1.5E-06	8.8E-04	1.2E-08	2.9E-07	0	3.2E-07	4.8E-08	6.69E-07	0.7	0.000176
recreational	485030.6	3618425	2.6E-03	2.6E-03	2.1E-04	6.7E-03	7.2E-05	1.4E-02	0	4.1E-07	2.3E-07	0	2.5E-08	6.67E-07	0.7	0.002731
residential	478230.6	3620925	2.4E-04	5.5E-04	3.1E-05	4.1E-05	1.3E-06	8.8E-04	1.2E-08	2.9E-07	0	3.2E-07	4.8E-08	6.66E-07	0.7	0.000175
residential	477930.6	3620525	2.4E-04	5.4E-04	3.0E-05	4.3E-05	1.3E-06	8.7E-04	1.2E-08	2.9E-07	0	3.2E-07	4.8E-08	6.63E-07	0.7	0.000175
residential	477130.6	3619425	2.4E-04	5.3E-04	2.9E-05	4.7E-05	1.5E-06	8.7E-04	1.2E-08	2.9E-07	0	3.2E-07	4.8E-08	6.62E-07	0.7	0.000174
recreational	484330.6	3617025	5.9E-03	1.7E-03	1.1E-04	4.8E-03	7.8E-05	1.3E-02	0	4.1E-07	2.3E-07	0	2.4E-08	6.59E-07	0.7	0.002698
residential	477330.6	3619725	2.4E-04	5.3E-04	2.8E-05	4.4E-05	1.5E-06	8.6E-04	1.2E-08	2.8E-07	0	3.1E-07	4.8E-08	6.56E-07	0.7	0.000173
school	487830.6	3618025	3.4E-03	6.5E-04	4.3E-05	1.2E-03	1.2E-04	6.1E-03	0	0	5.3E-07	1.2E-07	0	6.56E-07	0.7	0.001217
residential	476930.6	3619225	2.4E-04	5.2E-04	2.8E-05	4.9E-05	1.5E-06	8.6E-04	1.2E-08	2.8E-07	0	3.1E-07	4.8E-08	6.56E-07	0.7	0.000173
residential	477230.6	3619625	2.4E-04	5.2E-04	2.8E-05	4.5E-05	1.5E-06	8.6E-04	1.2E-08	2.8E-07	0	3.1E-07	4.8E-08	6.55E-07	0.7	0.000173
school	488130.6	3617825	3.5E-03	6.2E-04	3.8E-05	1.2E-03	1.1E-04	6.1E-03	0	0	5.3E-07	1.2E-07	0	6.53E-07	0.7	0.001211
residential	477030.6	3619325	2.4E-04	5.2E-04	2.8E-05	4.7E-05	1.5E-06	8.6E-04	1.2E-08	2.8E-07	0	3.1E-07	4.7E-08	6.52E-07	0.7	0.000172
residential	478030.6	3620725	2.4E-04	5.2E-04	2.9E-05	4.2E-05	1.3E-06	8.6E-04	1.2E-08	2.8E-07	0	3.1E-07	4.7E-08	6.49E-07	0.6	0.000171
residential	477530.6	3619925	2.4E-04	5.2E-04	2.7E-05	4.3E-05	1.4E-06	8.5E-04	1.2E-08	2.8E-07	0	3.1E-07	4.7E-08	6.48E-07	0.6	0.000171
residential	478130.6	3620825	2.4E-04	5.2E-04	3.0E-05	4.1E-05	1.3E-06	8.5E-04	1.2E-08	2.8E-07	0	3.1E-07	4.7E-08	6.47E-07	0.6	0.00017
residential	477430.6	3619825	2.4E-04	5.2E-04	2.7E-05	4.3E-05	1.4E-06	8.5E-04	1.2E-08	2.8E-07	0	3.1E-07	4.7E-08	6.45E-07	0.6	0.00017
residential	477730.6	3620425	2.4E-04	5.1E-04	2.8E-05	4.3E-05	1.4E-06	8.5E-04	1.2E-08	2.8E-07	0	3.1E-07	4.7E-08	6.44E-07	0.6	0.00017
recreational	484230.6	3617225	5.5E-03	1.9E-03	1.3E-04	4.8E-03	7.0E-05	1.3E-02	0	4E-07	2.2E-07	0	2.4E-08	6.43E-07	0.6	0.002636
residential	477130.6	3619525	2.4E-04	5.1E-04	2.7E-05	4.5E-05	1.5E-06	8.5E-04	1.2E-08	2.8E-07	0	3.1E-07	4.7E-08	6.43E-07	0.6	0.000169
school	487730.6	3618125	3.3E-03	6.6E-04	4.4E-05	1.2E-03	1.1E-04	5.9E-03	0	0	5.2E-07	1.2E-07	0	6.41E-07	0.6	0.00119
residential	477730.6	3620225	2.4E-04	5.1E-04	2.7E-05	4.2E-05	1.4E-06	8.4E-04	1.1E-08	2.8E-07	0	3.1E-07	4.6E-08	6.41E-07	0.6	0.000169
residential	476830.6	3619225	2.4E-04	5.0E-04	2.7E-05	4.9E-05	1.5E-06	8.4E-04	1.1E-08	2.8E-07	0	3E-07	4.6E-08	6.37E-07	0.6	0.000168
residential	477930.6	3620625	2.4E-04	5.1E-04	2.8E-05	4.2E-05	1.3E-06	8.4E-04	1.1E-08	2.8E-07	0	3E-07	4.6E-08	6.37E-07	0.6	0.000168
residential	478430.6	3621225	2.3E-04	5.2E-04	3.0E-05	3.8E-05	1.2E-06	8.4E-04	1.1E-08	2.8E-07	0	3E-07	4.6E-08	6.36E-07	0.6	0.000168
residential	476930.6	3619325	2.4E-04	5.0E-04	2.7E-05	4.7E-05	1.5E-06	8.4E-04	1.1E-08	2.8E-07	0	3E-07	4.6E-08	6.36E-07	0.6	0.000168
recreational	484230.6	3617125	5.6E-03	1.8E-03	1.2E-04	4.6E-03	7.1E-05	1.3E-02	0	3.9E-07	2.2E-07	0	2.3E-08	6.34E-07	0.6	0.002597
recreational	485130.6	3618525	2.6E-03	2.3E-03	1.8E-04	6.5E-03	5.8E-05	1.3E-02	0	3.9E-07	2.2E-07	0	2.3E-08	6.34E-07	0.6	0.002596
residential	477330.6	3619825	2.4E-04	5.0E-04	2.6E-05	4.3E-05	1.4E-06	8.3E-04	1.1E-08	2.7E-07	0	3E-07	4.6E-08	6.34E-07	0.6	0.000167
residential	477930.6	3620725	2.4E-04	5.1E-04	2.8E-05	4.2E-05	1.3E-06	8.3E-04	1.1E-08	2.7E-07	0	3E-07	4.6E-08	6.32E-07	0.6	0.000167
residential	477230.6	3619725	2.4E-04	5.0E-04	2.6E-05	4.4E-05	1.4E-06	8.3E-04	1.1E-08	2.7E-07	0	3E-07	4.6E-08	6.32E-07	0.6	0.000166
residential	477030.6	3619425	2.4E-04	5.0E-04	2.6E-05	4.6E-05	1.5E-06	8.3E-04	1.1E-08	2.7E-07	0	3E-07	4.6E-08	6.31E-07	0.6	0.000166
residential	478330.6	3621125	2.3E-04	5.2E-04	2.9E-05	3.9E-05	1.3E-06	8.3E-04	1.1E-08	2.7E-07	0	3E-07	4.6E-08	6.31E-07	0.6	0.000166
school	488130.6	3617925	3.4E-03	6.2E-04	3.7E-05	1.1E-03	1.1E-04	5.9E-03	0	0	5.1E-07	1.2E-07	0	6.31E-07	0.6	0.00117
residential	478230.6	3621025	2.3E-04	5.1E-04	2.9E-05	3.9E-05	1.3E-06	8.3E-04	1.1E-08	2.7E-07	0	3E-07	4.6E-08	6.29E-07	0.6	0.000166
residential	477630.6	3620125	2.4E-04	5.0E-04	2.6E-05	4.2E-05	1.4E-06	8.3E-04	1.1E-08	2.7E-07	0	3E-07	4.6E-08	6.28E-07	0.6	0.000165
residential	477430.6	3619925	2.4E-04	5.0E-04	2.6E-05	4.2E-05	1.4E-06	8.3E-04	1.1E-08	2.7E-07	0	3E-07	4.5E-08	6.27E-07	0.6	0.000165
school	488230.6	3617825	3.4E-03	6.1E-04	3.6E-05	1.1E-03	9.8E-05	5.8E-03	0	0	5.1E-07	1.2E-07	0	6.26E-07	0.6	0.001162
residential	477130.6	3619625	2.4E-04	4.9E-04	2.6E-05	4.4E-05	1.4E-06	8.2E-04	1.1E-08	2.7E-07	0	3E-07	4.5E-08	6.25E-07	0.6	0.000165
residential	477330.6	3619925	2.4E-04	4.9E-04	2.5E-05	4.3E-05	1.4E-06	8.2E-04	1.1E-08	2.7E-07	0	3E-07	4.5E-08	6.21E-07	0.6	0.000164
residential	476830.6	3619325	2.3E-04	4.9E-04	2.5E-05	4.7E-05	1.5E-06	8.2E-04	1.1E-08	2.7E-07	0	3E-07	4.5E-08	6.2E-07	0.6	0.000163

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	477530.6	3620025	2.4E-04	4.9E-04	2.5E-05	4.1E-05	1.4E-06	8.2E-04	1.1E-08	2.7E-07	0	3E-07	4.5E-08	6.19E-07	0.6	0.000163
residential	477830.6	3620525	2.4E-04	4.9E-04	2.6E-05	4.1E-05	1.3E-06	8.1E-04	1.1E-08	2.7E-07	0	2.9E-07	4.5E-08	6.17E-07	0.6	0.000163
school	487830.6	3618125	3.1E-03	6.4E-04	4.3E-05	1.2E-03	1.1E-04	5.7E-03	0	0	5E-07	1.2E-07	0	6.17E-07	0.6	0.001145
residential	476930.6	3619425	2.3E-04	4.9E-04	2.5E-05	4.5E-05	1.5E-06	8.1E-04	1.1E-08	2.7E-07	0	2.9E-07	4.5E-08	6.16E-07	0.6	0.000162
residential	477430.6	3620025	2.4E-04	4.8E-04	2.5E-05	4.2E-05	1.4E-06	8.1E-04	1.1E-08	2.7E-07	0	2.9E-07	4.5E-08	6.16E-07	0.6	0.000162
residential	477730.6	3620325	2.4E-04	4.9E-04	2.5E-05	4.1E-05	1.3E-06	8.1E-04	1.1E-08	2.7E-07	0	2.9E-07	4.5E-08	6.14E-07	0.6	0.000162
residential	477030.6	3619525	2.3E-04	4.8E-04	2.5E-05	4.4E-05	1.4E-06	8.0E-04	1.1E-08	2.6E-07	0	2.9E-07	4.4E-08	6.1E-07	0.6	0.000161
residential	476730.6	3619225	2.3E-04	4.8E-04	2.5E-05	4.7E-05	1.5E-06	8.0E-04	1.1E-08	2.6E-07	0	2.9E-07	4.4E-08	6.1E-07	0.6	0.000161
residential	477630.6	3620425	2.4E-04	4.8E-04	2.5E-05	4.2E-05	1.3E-06	8.0E-04	1.1E-08	2.6E-07	0	2.9E-07	4.4E-08	6.08E-07	0.6	0.00016
residential	478130.6	3620925	2.3E-04	4.9E-04	2.7E-05	4.0E-05	1.3E-06	8.0E-04	1.1E-08	2.6E-07	0	2.9E-07	4.4E-08	6.08E-07	0.6	0.00016
residential	476830.6	3619425	2.3E-04	4.7E-04	2.4E-05	4.6E-05	1.5E-06	8.0E-04	1.1E-08	2.6E-07	0	2.9E-07	4.4E-08	6.05E-07	0.6	0.000159
residential	477230.6	3619825	2.3E-04	4.7E-04	2.4E-05	4.2E-05	1.4E-06	8.0E-04	1.1E-08	2.6E-07	0	2.9E-07	4.4E-08	6.05E-07	0.6	0.000159
residential	477130.6	3619725	2.3E-04	4.7E-04	2.4E-05	4.3E-05	1.4E-06	7.9E-04	1.1E-08	2.6E-07	0	2.9E-07	4.4E-08	6.03E-07	0.6	0.000159
residential	477830.6	3620725	2.3E-04	4.7E-04	2.5E-05	4.1E-05	1.3E-06	7.9E-04	1.1E-08	2.6E-07	0	2.9E-07	4.4E-08	6E-07	0.6	0.000158
residential	478030.6	3620825	2.3E-04	4.8E-04	2.6E-05	4.0E-05	1.3E-06	7.9E-04	1.1E-08	2.6E-07	0	2.9E-07	4.4E-08	6E-07	0.6	0.000158
residential	476730.6	3619325	2.3E-04	4.7E-04	2.4E-05	4.6E-05	1.5E-06	7.9E-04	1.1E-08	2.6E-07	0	2.9E-07	4.3E-08	5.98E-07	0.6	0.000158
school	488230.6	3617925	3.2E-03	6.1E-04	3.7E-05	1.1E-03	9.5E-05	5.5E-03	0	0	4.9E-07	1.1E-07	0	5.98E-07	0.6	0.001109
residential	476930.6	3619525	2.3E-04	4.6E-04	2.4E-05	4.4E-05	1.4E-06	7.8E-04	1.1E-08	2.6E-07	0	2.8E-07	4.3E-08	5.96E-07	0.6	0.000157
residential	477830.6	3620625	2.3E-04	4.7E-04	2.4E-05	4.0E-05	1.3E-06	7.8E-04	1.1E-08	2.6E-07	0	2.8E-07	4.3E-08	5.94E-07	0.6	0.000157
residential	477030.6	3619625	2.3E-04	4.6E-04	2.3E-05	4.3E-05	1.4E-06	7.8E-04	1.1E-08	2.6E-07	0	2.8E-07	4.3E-08	5.93E-07	0.6	0.000156
residential	477430.6	3620125	2.3E-04	4.6E-04	2.3E-05	4.1E-05	1.4E-06	7.8E-04	1.1E-08	2.6E-07	0	2.8E-07	4.3E-08	5.93E-07	0.6	0.000156
residential	477630.6	3620225	2.3E-04	4.6E-04	2.3E-05	4.0E-05	1.3E-06	7.8E-04	1.1E-08	2.6E-07	0	2.8E-07	4.3E-08	5.92E-07	0.6	0.000156
residential	477330.6	3620025	2.3E-04	4.6E-04	2.3E-05	4.1E-05	1.4E-06	7.8E-04	1.1E-08	2.6E-07	0	2.8E-07	4.3E-08	5.91E-07	0.6	0.000156
residential	477530.6	3620125	2.3E-04	4.6E-04	2.3E-05	4.0E-05	1.3E-06	7.8E-04	1.1E-08	2.6E-07	0	2.8E-07	4.3E-08	5.9E-07	0.6	0.000155
residential	478230.6	3621125	2.2E-04	4.7E-04	2.6E-05	3.8E-05	1.3E-06	7.8E-04	1.1E-08	2.5E-07	0	2.8E-07	4.3E-08	5.89E-07	0.6	0.000155
residential	476830.6	3619525	2.3E-04	4.5E-04	2.3E-05	4.4E-05	1.4E-06	7.7E-04	1E-08	2.5E-07	0	2.8E-07	4.2E-08	5.86E-07	0.6	0.000154
residential	476730.6	3619425	2.3E-04	4.5E-04	2.3E-05	4.5E-05	1.4E-06	7.7E-04	1E-08	2.5E-07	0	2.8E-07	4.2E-08	5.85E-07	0.6	0.000154
residential	477930.6	3620825	2.3E-04	4.6E-04	2.4E-05	4.0E-05	1.3E-06	7.7E-04	1E-08	2.5E-07	0	2.8E-07	4.2E-08	5.82E-07	0.6	0.000153
residential	478330.6	3621225	2.2E-04	4.7E-04	2.6E-05	3.7E-05	1.2E-06	7.7E-04	1E-08	2.5E-07	0	2.8E-07	4.2E-08	5.81E-07	0.6	0.000153
residential	478130.6	3621025	2.2E-04	4.6E-04	2.5E-05	3.8E-05	1.3E-06	7.7E-04	1E-08	2.5E-07	0	2.8E-07	4.2E-08	5.81E-07	0.6	0.000153
residential	477730.6	3620525	2.3E-04	4.5E-04	2.3E-05	4.0E-05	1.3E-06	7.6E-04	1E-08	2.5E-07	0	2.8E-07	4.2E-08	5.8E-07	0.6	0.000153
residential	477230.6	3619925	2.3E-04	4.5E-04	2.2E-05	4.1E-05	1.4E-06	7.6E-04	1E-08	2.5E-07	0	2.8E-07	4.2E-08	5.8E-07	0.6	0.000153
residential	477530.6	3620425	2.3E-04	4.5E-04	2.3E-05	4.1E-05	1.3E-06	7.6E-04	1E-08	2.5E-07	0	2.8E-07	4.2E-08	5.8E-07	0.6	0.000153
residential	477130.6	3619825	2.3E-04	4.5E-04	2.2E-05	4.1E-05	1.4E-06	7.6E-04	1E-08	2.5E-07	0	2.8E-07	4.2E-08	5.79E-07	0.6	0.000152
residential	477630.6	3620325	2.3E-04	4.5E-04	2.2E-05	3.9E-05	1.3E-06	7.6E-04	1E-08	2.5E-07	0	2.8E-07	4.2E-08	5.78E-07	0.6	0.000152
residential	477430.6	3620225	2.3E-04	4.4E-04	2.2E-05	4.1E-05	1.4E-06	7.6E-04	1E-08	2.5E-07	0	2.7E-07	4.2E-08	5.76E-07	0.6	0.000152
residential	477030.6	3619725	2.3E-04	4.5E-04	2.2E-05	4.1E-05	1.4E-06	7.6E-04	1E-08	2.5E-07	0	2.7E-07	4.2E-08	5.76E-07	0.6	0.000152
residential	477830.6	3620825	2.3E-04	4.5E-04	2.4E-05	4.0E-05	1.3E-06	7.6E-04	1E-08	2.5E-07	0	2.7E-07	4.2E-08	5.76E-07	0.6	0.000152
residential	477330.6	3620125	2.3E-04	4.4E-04	2.2E-05	4.1E-05	1.4E-06	7.6E-04	1E-08	2.5E-07	0	2.7E-07	4.2E-08	5.75E-07	0.6	0.000152
residential	476930.6	3619625	2.3E-04	4.4E-04	2.2E-05	4.2E-05	1.4E-06	7.5E-04	1E-08	2.5E-07	0	2.7E-07	4.2E-08	5.73E-07	0.6	0.000151
residential	477430.6	3620325	2.3E-04	4.4E-04	2.2E-05	4.1E-05	1.3E-06	7.5E-04	1E-08	2.5E-07	0	2.7E-07	4.2E-08	5.72E-07	0.6	0.000151
residential	478030.6	3620925	2.2E-04	4.5E-04	2.3E-05	3.9E-05	1.3E-06	7.5E-04	1E-08	2.5E-07	0	2.7E-07	4.1E-08	5.7E-07	0.6	0.00015
residential	477530.6	3620225	2.3E-04	4.4E-04	2.2E-05	3.9E-05	1.3E-06	7.5E-04	1E-08	2.5E-07	0	2.7E-07	4.1E-08	5.7E-07	0.6	0.00015
residential	476730.6	3619525	2.2E-04	4.4E-04	2.2E-05	4.4E-05	1.4E-06	7.5E-04	1E-08	2.5E-07	0	2.7E-07	4.1E-08	5.69E-07	0.6	0.00015
residential	476830.6	3619625	2.3E-04	4.3E-04	2.1E-05	4.2E-05	1.4E-06	7.4E-04	1E-08	2.4E-07	0	2.7E-07	4.1E-08	5.64E-07	0.6	0.000149
residential	477530.6	3620325	2.3E-04	4.3E-04	2.1E-05	3.9E-05	1.3E-06	7.4E-04	1E-08	2.4E-07	0	2.7E-07	4.1E-08	5.6E-07	0.6	0.000148
residential	477730.6	3620625	2.2E-04	4.3E-04	2.1E-05	3.9E-05	1.2E-06	7.3E-04	1E-08	2.4E-07	0	2.7E-07	4E-08	5.57E-07	0.6	0.000147
residential	477630.6	3620525	2.3E-04	4.3E-04	2.1E-05	3.9E-05	1.2E-06	7.3E-04	1E-08	2.4E-07	0	2.7E-07	4E-08	5.57E-07	0.6	0.000147
residential	477230.6	3620025	2.3E-04	4.3E-04	2.0E-05	4.0E-05	1.3E-06	7.3E-04	1E-08	2.4E-07	0	2.7E-07	4E-08	5.56E-07	0.6	0.000147
residential	478230.6	3621225	2.1E-04	4.4E-04	2.4E-05	3.6E-05	1.2E-06	7.3E-04	9.9E-09	2.4E-07	0	2.6E-07	4E-08	5.55E-07	0.6	0.000146
residential	477330.6	3620225	2.3E-04	4.2E-04	2.0E-05	4.0E-05	1.3E-06	7.3E-04	9.9E-09	2.4E-07	0	2.6E-07	4E-08	5.55E-07	0.6	0.000146

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	476930.6	3619725	2.2E-04	4.2E-04	2.1E-05	4.1E-05	1.3E-06	7.3E-04	9.9E-09	2.4E-07	0	2.6E-07	4E-08	5.54E-07	0.6	0.000146
residential	478130.6	3621125	2.1E-04	4.3E-04	2.3E-05	3.7E-05	1.2E-06	7.3E-04	9.9E-09	2.4E-07	0	2.6E-07	4E-08	5.52E-07	0.6	0.000146
residential	477030.6	3619825	2.2E-04	4.2E-04	2.0E-05	4.0E-05	1.3E-06	7.3E-04	9.9E-09	2.4E-07	0	2.6E-07	4E-08	5.52E-07	0.6	0.000146
residential	477130.6	3619925	2.2E-04	4.2E-04	2.0E-05	3.9E-05	1.3E-06	7.3E-04	9.9E-09	2.4E-07	0	2.6E-07	4E-08	5.51E-07	0.6	0.000145
residential	477930.6	3620925	2.2E-04	4.3E-04	2.2E-05	3.8E-05	1.3E-06	7.2E-04	9.8E-09	2.4E-07	0	2.6E-07	4E-08	5.5E-07	0.5	0.000145
residential	477730.6	3620725	2.2E-04	4.2E-04	2.1E-05	3.9E-05	1.2E-06	7.2E-04	9.8E-09	2.4E-07	0	2.6E-07	4E-08	5.48E-07	0.5	0.000144
residential	476730.6	3619625	2.2E-04	4.2E-04	2.0E-05	4.2E-05	1.4E-06	7.2E-04	9.8E-09	2.4E-07	0	2.6E-07	4E-08	5.48E-07	0.5	0.000144
residential	476830.6	3619725	2.2E-04	4.1E-04	2.0E-05	4.1E-05	1.3E-06	7.2E-04	9.7E-09	2.4E-07	0	2.6E-07	3.9E-08	5.44E-07	0.5	0.000143
residential	478030.6	3621025	2.1E-04	4.2E-04	2.2E-05	3.7E-05	1.3E-06	7.2E-04	9.7E-09	2.4E-07	0	2.6E-07	3.9E-08	5.43E-07	0.5	0.000143
residential	477430.6	3620425	2.2E-04	4.1E-04	2.0E-05	3.9E-05	1.3E-06	7.1E-04	9.7E-09	2.3E-07	0	2.6E-07	3.9E-08	5.42E-07	0.5	0.000143
residential	477230.6	3620125	2.2E-04	4.1E-04	1.9E-05	3.9E-05	1.3E-06	7.1E-04	9.6E-09	2.3E-07	0	2.6E-07	3.9E-08	5.36E-07	0.5	0.000141
residential	476930.6	3619825	2.2E-04	4.1E-04	1.9E-05	3.9E-05	1.3E-06	7.1E-04	9.6E-09	2.3E-07	0	2.6E-07	3.9E-08	5.36E-07	0.5	0.000141
residential	477730.6	3620825	2.2E-04	4.1E-04	2.1E-05	3.8E-05	1.2E-06	7.0E-04	9.6E-09	2.3E-07	0	2.6E-07	3.9E-08	5.35E-07	0.5	0.000141
residential	477730.6	3620925	2.2E-04	4.1E-04	2.1E-05	3.8E-05	1.2E-06	7.0E-04	9.6E-09	2.3E-07	0	2.6E-07	3.9E-08	5.35E-07	0.5	0.000141
residential	477030.6	3619925	2.2E-04	4.0E-04	1.9E-05	3.9E-05	1.3E-06	7.0E-04	9.5E-09	2.3E-07	0	2.5E-07	3.8E-08	5.3E-07	0.5	0.00014
residential	478130.6	3621225	2.1E-04	4.1E-04	2.2E-05	3.6E-05	1.2E-06	7.0E-04	9.5E-09	2.3E-07	0	2.5E-07	3.8E-08	5.3E-07	0.5	0.00014
residential	477130.6	3620025	2.2E-04	4.0E-04	1.9E-05	3.8E-05	1.3E-06	7.0E-04	9.5E-09	2.3E-07	0	2.5E-07	3.8E-08	5.29E-07	0.5	0.000139
residential	476730.6	3619725	2.2E-04	4.0E-04	1.9E-05	4.0E-05	1.3E-06	7.0E-04	9.5E-09	2.3E-07	0	2.5E-07	3.8E-08	5.28E-07	0.5	0.000139
residential	476830.6	3619825	2.2E-04	4.0E-04	1.9E-05	4.0E-05	1.3E-06	7.0E-04	9.5E-09	2.3E-07	0	2.5E-07	3.8E-08	5.28E-07	0.5	0.000139
residential	477530.6	3620525	2.2E-04	4.0E-04	1.9E-05	3.7E-05	1.2E-06	7.0E-04	9.5E-09	2.3E-07	0	2.5E-07	3.8E-08	5.28E-07	0.5	0.000139
residential	477830.6	3620925	2.2E-04	4.0E-04	2.0E-05	3.7E-05	1.2E-06	6.9E-04	9.4E-09	2.3E-07	0	2.5E-07	3.8E-08	5.26E-07	0.5	0.000139
recreational	485030.6	3618525	2.5E-03	2.5E-03	2.0E-04	4.4E-03	4.7E-05	1.1E-02	0	3.2E-07	1.8E-07	0	1.9E-08	5.25E-07	0.5	0.002153
residential	477630.6	3620625	2.2E-04	4.0E-04	1.9E-05	3.7E-05	1.2E-06	6.9E-04	9.4E-09	2.3E-07	0	2.5E-07	3.8E-08	5.24E-07	0.5	0.000138
residential	477330.6	3620325	2.2E-04	3.9E-04	1.8E-05	3.8E-05	1.3E-06	6.9E-04	9.4E-09	2.3E-07	0	2.5E-07	3.8E-08	5.24E-07	0.5	0.000138
residential	478030.6	3621125	2.1E-04	4.0E-04	2.1E-05	3.6E-05	1.2E-06	6.9E-04	9.4E-09	2.3E-07	0	2.5E-07	3.8E-08	5.23E-07	0.5	0.000138
residential	476930.6	3619925	2.2E-04	3.9E-04	1.8E-05	3.9E-05	1.3E-06	6.9E-04	9.3E-09	2.3E-07	0	2.5E-07	3.8E-08	5.21E-07	0.5	0.000137
residential	477930.6	3621025	2.1E-04	4.0E-04	2.0E-05	3.6E-05	1.2E-06	6.8E-04	9.3E-09	2.2E-07	0	2.5E-07	3.8E-08	5.2E-07	0.5	0.000137
residential	477230.6	3620225	2.2E-04	3.9E-04	1.8E-05	3.8E-05	1.3E-06	6.8E-04	9.3E-09	2.2E-07	0	2.5E-07	3.8E-08	5.18E-07	0.5	0.000136
residential	476830.6	3619925	2.2E-04	3.9E-04	1.8E-05	3.9E-05	1.3E-06	6.8E-04	9.2E-09	2.2E-07	0	2.5E-07	3.7E-08	5.16E-07	0.5	0.000136
residential	477330.6	3620425	2.2E-04	3.8E-04	1.8E-05	3.8E-05	1.2E-06	6.8E-04	9.2E-09	2.2E-07	0	2.5E-07	3.7E-08	5.15E-07	0.5	0.000136
residential	477030.6	3620025	2.2E-04	3.9E-04	1.8E-05	3.8E-05	1.3E-06	6.8E-04	9.2E-09	2.2E-07	0	2.5E-07	3.7E-08	5.15E-07	0.5	0.000136
residential	477230.6	3620325	2.2E-04	3.8E-04	1.8E-05	3.8E-05	1.3E-06	6.8E-04	9.2E-09	2.2E-07	0	2.4E-07	3.7E-08	5.14E-07	0.5	0.000135
residential	477130.6	3620125	2.2E-04	3.8E-04	1.8E-05	3.7E-05	1.3E-06	6.8E-04	9.2E-09	2.2E-07	0	2.4E-07	3.7E-08	5.13E-07	0.5	0.000135
residential	476730.6	3619825	2.1E-04	3.8E-04	1.8E-05	3.9E-05	1.3E-06	6.7E-04	9.2E-09	2.2E-07	0	2.4E-07	3.7E-08	5.11E-07	0.5	0.000135
residential	477630.6	3620725	2.1E-04	3.8E-04	1.8E-05	3.6E-05	1.2E-06	6.7E-04	9.1E-09	2.2E-07	0	2.4E-07	3.7E-08	5.1E-07	0.5	0.000134
recreational	484950.3	3618481	2.6E-03	2.7E-03	2.2E-04	3.8E-03	4.8E-05	1.0E-02	0	3.1E-07	1.8E-07	0	1.9E-08	5.1E-07	0.5	0.002088
residential	476930.6	3620025	2.2E-04	3.8E-04	1.8E-05	3.8E-05	1.3E-06	6.7E-04	9.1E-09	2.2E-07	0	2.4E-07	3.7E-08	5.09E-07	0.5	0.000134
residential	477430.6	3620525	2.2E-04	3.8E-04	1.8E-05	3.7E-05	1.2E-06	6.7E-04	9.1E-09	2.2E-07	0	2.4E-07	3.7E-08	5.08E-07	0.5	0.000134
residential	477130.6	3620225	2.2E-04	3.8E-04	1.7E-05	3.8E-05	1.3E-06	6.7E-04	9.1E-09	2.2E-07	0	2.4E-07	3.7E-08	5.07E-07	0.5	0.000134
residential	478030.6	3621225	2.1E-04	3.9E-04	2.0E-05	3.5E-05	1.2E-06	6.7E-04	9.1E-09	2.2E-07	0	2.4E-07	3.7E-08	5.06E-07	0.5	0.000133
residential	477730.6	3621025	2.1E-04	3.8E-04	1.9E-05	3.7E-05	1.2E-06	6.6E-04	9E-09	2.2E-07	0	2.4E-07	3.7E-08	5.04E-07	0.5	0.000133
residential	477030.6	3620125	2.2E-04	3.7E-04	1.7E-05	3.7E-05	1.3E-06	6.6E-04	9E-09	2.2E-07	0	2.4E-07	3.7E-08	5.04E-07	0.5	0.000133
residential	477230.6	3620425	2.2E-04	3.7E-04	1.7E-05	3.7E-05	1.2E-06	6.6E-04	9E-09	2.2E-07	0	2.4E-07	3.6E-08	5.02E-07	0.5	0.000132
residential	476830.6	3620025	2.1E-04	3.7E-04	1.7E-05	3.8E-05	1.3E-06	6.6E-04	9E-09	2.2E-07	0	2.4E-07	3.6E-08	5.02E-07	0.5	0.000132
residential	477330.6	3620525	2.2E-04	3.7E-04	1.7E-05	3.7E-05	1.2E-06	6.6E-04	9E-09	2.2E-07	0	2.4E-07	3.6E-08	5.01E-07	0.5	0.000132
residential	477530.6	3620625	2.1E-04	3.7E-04	1.7E-05	3.6E-05	1.1E-06	6.6E-04	9E-09	2.2E-07	0	2.4E-07	3.6E-08	5.01E-07	0.5	0.000132
residential	477830.6	3621025	2.1E-04	3.8E-04	1.9E-05	3.6E-05	1.2E-06	6.6E-04	9E-09	2.2E-07	0	2.4E-07	3.6E-08	5E-07	0.5	0.000132
residential	477130.6	3620325	2.2E-04	3.7E-04	1.7E-05	3.7E-05	1.3E-06	6.6E-04	8.9E-09	2.2E-07	0	2.4E-07	3.6E-08	4.99E-07	0.5	0.000131
residential	476730.6	3619925	2.1E-04	3.7E-04	1.7E-05	3.8E-05	1.3E-06	6.6E-04	8.9E-09	2.2E-07	0	2.4E-07	3.6E-08	4.97E-07	0.5	0.000131
residential	476930.6	3620125	2.1E-04	3.7E-04	1.7E-05	3.8E-05	1.3E-06	6.5E-04	8.9E-09	2.1E-07	0	2.4E-07	3.6E-08	4.97E-07	0.5	0.000131
residential	477630.6	3620825	2.1E-04	3.7E-04	1.7E-05	3.6E-05	1.2E-06	6.5E-04	8.9E-09	2.1E-07	0	2.4E-07	3.6E-08	4.95E-07	0.5	0.000131

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
residential	477030.6	3620225	2.1E-04	3.6E-04	1.7E-05	3.7E-05	1.3E-06	6.5E-04	8.9E-09	2.1E-07	0	2.4E-07	3.6E-08	4.95E-07	0.5	0.00013
residential	477930.6	3621125	2.1E-04	3.7E-04	1.8E-05	3.5E-05	1.2E-06	6.5E-04	8.8E-09	2.1E-07	0	2.4E-07	3.6E-08	4.94E-07	0.5	0.00013
residential	477430.6	3620625	2.1E-04	3.6E-04	1.7E-05	3.6E-05	1.1E-06	6.5E-04	8.8E-09	2.1E-07	0	2.3E-07	3.6E-08	4.91E-07	0.5	0.000129
residential	477330.6	3620625	2.1E-04	3.6E-04	1.7E-05	3.6E-05	1.2E-06	6.4E-04	8.8E-09	2.1E-07	0	2.3E-07	3.5E-08	4.89E-07	0.5	0.000129
residential	477230.6	3620525	2.1E-04	3.6E-04	1.6E-05	3.7E-05	1.2E-06	6.4E-04	8.7E-09	2.1E-07	0	2.3E-07	3.5E-08	4.86E-07	0.5	0.000128
residential	476830.6	3620125	2.1E-04	3.6E-04	1.6E-05	3.8E-05	1.3E-06	6.4E-04	8.7E-09	2.1E-07	0	2.3E-07	3.5E-08	4.85E-07	0.5	0.000128
residential	476930.6	3620225	2.1E-04	3.5E-04	1.6E-05	3.7E-05	1.3E-06	6.4E-04	8.7E-09	2.1E-07	0	2.3E-07	3.5E-08	4.84E-07	0.5	0.000128
residential	477530.6	3620725	2.1E-04	3.6E-04	1.6E-05	3.5E-05	1.1E-06	6.4E-04	8.7E-09	2.1E-07	0	2.3E-07	3.5E-08	4.84E-07	0.5	0.000128
residential	477630.6	3620925	2.1E-04	3.6E-04	1.7E-05	3.6E-05	1.2E-06	6.4E-04	8.7E-09	2.1E-07	0	2.3E-07	3.5E-08	4.84E-07	0.5	0.000127
residential	477030.6	3620325	2.1E-04	3.5E-04	1.6E-05	3.7E-05	1.2E-06	6.4E-04	8.7E-09	2.1E-07	0	2.3E-07	3.5E-08	4.83E-07	0.5	0.000127
residential	477430.6	3620725	2.1E-04	3.5E-04	1.6E-05	3.6E-05	1.1E-06	6.4E-04	8.6E-09	2.1E-07	0	2.3E-07	3.5E-08	4.83E-07	0.5	0.000127
residential	476730.6	3620025	2.1E-04	3.5E-04	1.6E-05	3.7E-05	1.3E-06	6.3E-04	8.6E-09	2.1E-07	0	2.3E-07	3.5E-08	4.81E-07	0.5	0.000127
residential	477330.6	3620725	2.1E-04	3.5E-04	1.6E-05	3.6E-05	1.1E-06	6.3E-04	8.6E-09	2.1E-07	0	2.3E-07	3.5E-08	4.79E-07	0.5	0.000126
residential	477130.6	3620425	2.1E-04	3.5E-04	1.6E-05	3.6E-05	1.2E-06	6.3E-04	8.6E-09	2.1E-07	0	2.3E-07	3.5E-08	4.79E-07	0.5	0.000126
recreational	484730.6	3618425	2.6E-03	3.4E-03	2.9E-04	2.5E-03	4.0E-05	9.7E-03	0	2.9E-07	1.6E-07	0	1.8E-08	4.75E-07	0.5	0.001944
residential	477930.6	3621225	2.0E-04	3.6E-04	1.7E-05	3.4E-05	1.2E-06	6.2E-04	8.5E-09	2.1E-07	0	2.3E-07	3.4E-08	4.74E-07	0.5	0.000125
residential	477830.6	3621125	2.0E-04	3.5E-04	1.7E-05	3.4E-05	1.2E-06	6.2E-04	8.5E-09	2.1E-07	0	2.3E-07	3.4E-08	4.74E-07	0.5	0.000125
residential	477430.6	3620825	2.1E-04	3.4E-04	1.6E-05	3.5E-05	1.1E-06	6.2E-04	8.5E-09	2E-07	0	2.3E-07	3.4E-08	4.72E-07	0.5	0.000124
residential	477230.6	3620625	2.1E-04	3.4E-04	1.6E-05	3.6E-05	1.1E-06	6.2E-04	8.4E-09	2E-07	0	2.2E-07	3.4E-08	4.7E-07	0.5	0.000124
residential	476930.6	3620325	2.1E-04	3.4E-04	1.5E-05	3.6E-05	1.2E-06	6.2E-04	8.4E-09	2E-07	0	2.2E-07	3.4E-08	4.7E-07	0.5	0.000124
residential	476830.6	3620225	2.1E-04	3.4E-04	1.5E-05	3.7E-05	1.2E-06	6.2E-04	8.4E-09	2E-07	0	2.2E-07	3.4E-08	4.69E-07	0.5	0.000124
residential	477530.6	3620825	2.1E-04	3.4E-04	1.6E-05	3.4E-05	1.1E-06	6.1E-04	8.4E-09	2E-07	0	2.2E-07	3.4E-08	4.66E-07	0.5	0.000123
residential	477130.6	3620525	2.1E-04	3.4E-04	1.5E-05	3.5E-05	1.2E-06	6.1E-04	8.3E-09	2E-07	0	2.2E-07	3.4E-08	4.64E-07	0.5	0.000122
residential	477030.6	3620425	2.1E-04	3.3E-04	1.5E-05	3.6E-05	1.2E-06	6.1E-04	8.3E-09	2E-07	0	2.2E-07	3.4E-08	4.64E-07	0.5	0.000122
recreational	484630.6	3618425	2.5E-03	3.6E-03	3.4E-04	2.1E-03	3.5E-05	9.5E-03	0	2.8E-07	1.6E-07	0	1.7E-08	4.62E-07	0.5	0.001891
recreational	484930.6	3618525	2.5E-03	2.6E-03	2.1E-04	3.0E-03	4.0E-05	9.5E-03	0	2.8E-07	1.6E-07	0	1.7E-08	4.61E-07	0.5	0.00189
residential	476730.6	3620125	2.0E-04	3.3E-04	1.5E-05	3.6E-05	1.2E-06	6.1E-04	8.3E-09	2E-07	0	2.2E-07	3.3E-08	4.61E-07	0.5	0.000121
residential	476830.6	3620325	2.0E-04	3.3E-04	1.5E-05	3.6E-05	1.2E-06	6.0E-04	8.1E-09	2E-07	0	2.2E-07	3.3E-08	4.53E-07	0.5	0.000119
residential	476930.6	3620425	2.0E-04	3.2E-04	1.4E-05	3.5E-05	1.2E-06	6.0E-04	8.1E-09	2E-07	0	2.2E-07	3.3E-08	4.52E-07	0.5	0.000119
residential	477530.6	3620925	2.0E-04	3.3E-04	1.5E-05	3.3E-05	1.1E-06	6.0E-04	8.1E-09	2E-07	0	2.2E-07	3.3E-08	4.52E-07	0.5	0.000119
recreational	485030.6	3618625	2.4E-03	2.3E-03	1.8E-04	3.3E-03	3.3E-05	9.2E-03	0	2.8E-07	1.5E-07	0	1.7E-08	4.48E-07	0.4	0.001835
residential	476730.6	3620225	2.0E-04	3.2E-04	1.4E-05	3.5E-05	1.2E-06	5.9E-04	8E-09	1.9E-07	0	2.1E-07	3.2E-08	4.47E-07	0.4	0.000118
recreational	484630.6	3618525	2.3E-03	3.3E-03	2.9E-04	1.6E-03	2.8E-05	8.3E-03	0	2.5E-07	1.4E-07	0	1.5E-08	4.04E-07	0.4	0.001656
recreational	484930.6	3618625	2.3E-03	2.5E-03	2.0E-04	2.4E-03	2.9E-05	8.3E-03	0	2.5E-07	1.4E-07	0	1.5E-08	4.04E-07	0.4	0.001654
recreational	484530.6	3618525	2.2E-03	3.5E-03	3.3E-04	1.4E-03	2.5E-05	8.2E-03	0	2.5E-07	1.4E-07	0	1.5E-08	4E-07	0.4	0.001638
recreational	484830.6	3618625	2.3E-03	2.6E-03	2.1E-04	1.8E-03	2.6E-05	7.8E-03	0	2.3E-07	1.3E-07	0	1.4E-08	3.79E-07	0.4	0.001551
recreational	484433.8	3618609	2.1E-03	3.6E-03	3.2E-04	1.0E-03	2.0E-05	7.7E-03	0	2.3E-07	1.3E-07	0	1.4E-08	3.76E-07	0.4	0.00154
recreational	484730.6	3618625	2.3E-03	2.8E-03	2.3E-04	1.5E-03	2.4E-05	7.6E-03	0	2.3E-07	1.3E-07	0	1.4E-08	3.7E-07	0.4	0.001517
recreational	484329.5	3618645	1.9E-03	3.8E-03	3.5E-04	8.6E-04	1.7E-05	7.5E-03	0	2.3E-07	1.3E-07	0	1.4E-08	3.65E-07	0.4	0.001495
recreational	484930.6	3618725	2.2E-03	2.3E-03	1.8E-04	1.9E-03	2.3E-05	7.5E-03	0	2.3E-07	1.3E-07	0	1.4E-08	3.65E-07	0.4	0.001495
recreational	484630.6	3618625	2.2E-03	3.0E-03	2.5E-04	1.2E-03	2.2E-05	7.4E-03	0	2.2E-07	1.3E-07	0	1.3E-08	3.63E-07	0.4	0.001488
recreational	484230.6	3618725	1.8E-03	3.8E-03	3.5E-04	6.9E-04	1.4E-05	7.1E-03	0	2.1E-07	1.2E-07	0	1.3E-08	3.45E-07	0.3	0.001413
recreational	484830.6	3618725	2.1E-03	2.5E-03	2.0E-04	1.5E-03	2.1E-05	7.0E-03	0	2.1E-07	1.2E-07	0	1.3E-08	3.43E-07	0.3	0.001406
recreational	484330.6	3618725	1.9E-03	3.5E-03	3.1E-04	7.5E-04	1.5E-05	6.9E-03	0	2.1E-07	1.2E-07	0	1.3E-08	3.39E-07	0.3	0.001388
recreational	484730.6	3618725	2.1E-03	2.6E-03	2.1E-04	1.2E-03	1.9E-05	6.8E-03	0	2.1E-07	1.2E-07	0	1.2E-08	3.33E-07	0.3	0.001364
recreational	484630.6	3618725	2.0E-03	2.8E-03	2.3E-04	1.0E-03	1.8E-05	6.8E-03	0	2E-07	1.1E-07	0	1.2E-08	3.3E-07	0.3	0.001352
recreational	484130.6	3618825	1.6E-03	3.7E-03	3.4E-04	5.5E-04	1.2E-05	6.7E-03	0	2E-07	1.1E-07	0	1.2E-08	3.25E-07	0.3	0.00133
recreational	484030.6	3618925	1.5E-03	3.7E-03	3.3E-04	4.5E-04	1.0E-05	6.4E-03	0	1.9E-07	1.1E-07	0	1.2E-08	3.12E-07	0.3	0.001277
recreational	484730.6	3618825	1.9E-03	2.5E-03	1.9E-04	1.1E-03	1.6E-05	6.3E-03	0	1.9E-07	1.1E-07	0	1.1E-08	3.06E-07	0.3	0.001255
recreational	484630.6	3618825	1.9E-03	2.6E-03	2.1E-04	9.1E-04	1.5E-05	6.2E-03	0	1.9E-07	1E-07	0	1.1E-08	3.02E-07	0.3	0.001236
recreational	484530.6	3618825	1.8E-03	2.8E-03	2.2E-04	7.9E-04	1.4E-05	6.1E-03	0	1.9E-07	1E-07	0	1.1E-08	3E-07	0.3	0.001229

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)								
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
recreational	484130.6	3618925	1.5E-03	3.4E-03	2.9E-04	4.8E-04	1.0E-05	6.0E-03	0	1.8E-07	1E-07	0	1.1E-08	2.94E-07	0.3	0.001205
recreational	483930.6	3619025	1.3E-03	3.6E-03	3.2E-04	3.8E-04	8.6E-06	5.9E-03	0	1.8E-07	1E-07	0	1.1E-08	2.89E-07	0.3	0.001184
recreational	483830.6	3619125	1.3E-03	3.6E-03	3.1E-04	3.3E-04	7.6E-06	5.8E-03	0	1.7E-07	9.7E-08	0	1E-08	2.81E-07	0.3	0.001152
recreational	484630.6	3618925	1.8E-03	2.4E-03	1.9E-04	8.2E-04	1.3E-05	5.7E-03	0	1.7E-07	9.7E-08	0	1E-08	2.8E-07	0.3	0.001145
recreational	484030.6	3619025	1.4E-03	3.3E-03	2.9E-04	4.0E-04	8.9E-06	5.7E-03	0	1.7E-07	9.6E-08	0	1E-08	2.79E-07	0.3	0.001143
recreational	484430.6	3618925	1.7E-03	2.7E-03	2.2E-04	6.3E-04	1.2E-05	5.7E-03	0	1.7E-07	9.6E-08	0	1E-08	2.78E-07	0.3	0.001138
recreational	484530.6	3618925	1.7E-03	2.6E-03	2.1E-04	7.1E-04	1.2E-05	5.7E-03	0	1.7E-07	9.6E-08	0	1E-08	2.77E-07	0.3	0.001135
recreational	483530.6	3619325	1.0E-03	3.7E-03	3.3E-04	2.4E-04	5.8E-06	5.5E-03	0	1.7E-07	9.3E-08	0	9.9E-09	2.68E-07	0.3	0.0011
recreational	484130.6	3619025	1.4E-03	3.1E-03	2.6E-04	4.3E-04	9.2E-06	5.5E-03	0	1.7E-07	9.3E-08	0	9.9E-09	2.68E-07	0.3	0.001099
recreational	483930.6	3619125	1.3E-03	3.2E-03	2.8E-04	3.4E-04	7.8E-06	5.4E-03	0	1.6E-07	9.1E-08	0	9.8E-09	2.64E-07	0.3	0.001082
recreational	484230.6	3619025	1.4E-03	2.9E-03	2.4E-04	4.7E-04	9.6E-06	5.4E-03	0	1.6E-07	9.1E-08	0	9.7E-09	2.62E-07	0.3	0.001075
recreational	484330.6	3619025	1.5E-03	2.7E-03	2.2E-04	5.1E-04	9.9E-06	5.3E-03	0	1.6E-07	9E-08	0	9.7E-09	2.61E-07	0.3	0.001068
recreational	484030.6	3619125	1.3E-03	3.0E-03	2.5E-04	3.6E-04	8.0E-06	5.3E-03	0	1.6E-07	8.9E-08	0	9.5E-09	2.56E-07	0.3	0.00105
recreational	483830.6	3619225	1.2E-03	3.2E-03	2.7E-04	3.0E-04	6.9E-06	5.2E-03	0	1.6E-07	8.8E-08	0	9.4E-09	2.54E-07	0.3	0.001042
recreational	484130.6	3619125	1.3E-03	2.8E-03	2.3E-04	3.9E-04	8.3E-06	5.1E-03	0	1.5E-07	8.6E-08	0	9.2E-09	2.49E-07	0.2	0.001021
recreational	484430.6	3619025	1.5E-03	2.5E-03	2.1E-04	5.2E-04	1.0E-05	5.0E-03	0	1.5E-07	8.5E-08	0	9.1E-09	2.46E-07	0.2	0.001009
recreational	483530.6	3619425	1.0E-03	3.3E-03	2.8E-04	2.2E-04	5.4E-06	5.0E-03	0	1.5E-07	8.5E-08	0	9.1E-09	2.46E-07	0.2	0.001007
recreational	484230.6	3619125	1.4E-03	2.7E-03	2.2E-04	4.3E-04	8.6E-06	5.0E-03	0	1.5E-07	8.4E-08	0	9E-09	2.44E-07	0.2	0.000998
recreational	483930.6	3619225	1.2E-03	3.0E-03	2.5E-04	3.1E-04	7.1E-06	5.0E-03	0	1.5E-07	8.4E-08	0	9E-09	2.43E-07	0.2	0.000996
recreational	484330.6	3619125	1.4E-03	2.5E-03	2.0E-04	4.7E-04	8.9E-06	5.0E-03	0	1.5E-07	8.4E-08	0	9E-09	2.42E-07	0.2	0.000991
recreational	484030.6	3619225	1.2E-03	2.8E-03	2.3E-04	3.4E-04	7.3E-06	4.8E-03	0	1.5E-07	8.2E-08	0	8.7E-09	2.36E-07	0.2	0.000968
recreational	483830.6	3619325	1.1E-03	2.9E-03	2.4E-04	2.7E-04	6.3E-06	4.8E-03	0	1.4E-07	8.1E-08	0	8.6E-09	2.33E-07	0.2	0.000954
recreational	483630.6	3619425	1.0E-03	3.1E-03	2.6E-04	2.3E-04	5.5E-06	4.8E-03	0	1.4E-07	8E-08	0	8.6E-09	2.33E-07	0.2	0.000953
recreational	484130.6	3619225	1.3E-03	2.6E-03	2.1E-04	3.6E-04	7.5E-06	4.8E-03	0	1.4E-07	8E-08	0	8.6E-09	2.33E-07	0.2	0.000953
recreational	483930.6	3619325	1.1E-03	2.8E-03	2.3E-04	2.9E-04	6.5E-06	4.6E-03	0	1.4E-07	7.8E-08	0	8.4E-09	2.27E-07	0.2	0.000929
recreational	483730.6	3619425	1.0E-03	2.9E-03	2.4E-04	2.4E-04	5.7E-06	4.6E-03	0	1.4E-07	7.8E-08	0	8.3E-09	2.24E-07	0.2	0.000919
recreational	485930.6	3620225	2.2E-03	8.2E-04	5.7E-05	1.1E-03	2.3E-05	4.5E-03	0	1.4E-07	7.6E-08	0	8.2E-09	2.21E-07	0.2	0.000904
recreational	483830.6	3619425	1.0E-03	2.7E-03	2.2E-04	2.6E-04	5.8E-06	4.4E-03	0	1.3E-07	7.5E-08	0	8E-09	2.17E-07	0.2	0.000889
recreational	483930.6	3619425	1.1E-03	2.6E-03	2.1E-04	2.7E-04	6.0E-06	4.3E-03	0	1.3E-07	7.3E-08	0	7.8E-09	2.12E-07	0.2	0.000868
recreational	485830.6	3620225	2.1E-03	8.2E-04	5.6E-05	1.0E-03	2.0E-05	4.3E-03	0	1.3E-07	7.3E-08	0	7.8E-09	2.11E-07	0.2	0.000864
recreational	485930.6	3620325	2.1E-03	7.9E-04	5.4E-05	9.8E-04	2.2E-05	4.3E-03	0	1.3E-07	7.2E-08	0	7.7E-09	2.08E-07	0.2	0.000852
recreational	483830.6	3619525	1.0E-03	2.5E-03	2.0E-04	2.4E-04	5.4E-06	4.2E-03	0	1.3E-07	7E-08	0	7.5E-09	2.03E-07	0.2	0.000833
recreational	485730.6	3620225	1.9E-03	8.3E-04	5.6E-05	9.4E-04	1.8E-05	4.1E-03	0	1.2E-07	6.9E-08	0	7.4E-09	2.01E-07	0.2	0.000823
recreational	483930.6	3619525	1.0E-03	2.4E-03	1.9E-04	2.6E-04	5.6E-06	4.1E-03	0	1.2E-07	6.9E-08	0	7.4E-09	1.99E-07	0.2	0.000817
recreational	485630.6	3620225	1.8E-03	8.7E-04	6.0E-05	9.5E-04	1.7E-05	4.1E-03	0	1.2E-07	6.9E-08	0	7.4E-09	1.98E-07	0.2	0.000813
recreational	485530.6	3620225	1.7E-03	9.3E-04	6.6E-05	1.0E-03	1.6E-05	4.1E-03	0	1.2E-07	6.8E-08	0	7.3E-09	1.98E-07	0.2	0.000811
recreational	485830.6	3620325	2.0E-03	7.9E-04	5.3E-05	9.0E-04	1.9E-05	4.0E-03	0	1.2E-07	6.8E-08	0	7.3E-09	1.97E-07	0.2	0.000807
recreational	485930.6	3620425	2.0E-03	7.6E-04	5.1E-05	8.9E-04	2.0E-05	4.0E-03	0	1.2E-07	6.8E-08	0	7.2E-09	1.95E-07	0.2	0.0008
recreational	483830.6	3619625	9.5E-04	2.4E-03	1.9E-04	2.3E-04	5.0E-06	3.9E-03	0	1.2E-07	6.6E-08	0	7.1E-09	1.91E-07	0.2	0.000781
recreational	485730.6	3620325	1.8E-03	8.0E-04	5.4E-05	8.6E-04	1.7E-05	3.9E-03	0	1.2E-07	6.6E-08	0	7E-09	1.9E-07	0.2	0.000776
recreational	485530.6	3620325	1.7E-03	9.0E-04	6.4E-05	9.3E-04	1.5E-05	3.9E-03	0	1.2E-07	6.5E-08	0	7E-09	1.89E-07	0.2	0.000773
recreational	483930.6	3619625	9.7E-04	2.3E-03	1.8E-04	2.5E-04	5.2E-06	3.8E-03	0	1.2E-07	6.5E-08	0	6.9E-09	1.88E-07	0.2	0.000769
recreational	485630.6	3620325	1.8E-03	8.4E-04	5.7E-05	8.7E-04	1.6E-05	3.8E-03	0	1.2E-07	6.5E-08	0	6.9E-09	1.87E-07	0.2	0.000767
recreational	485830.6	3620425	1.8E-03	7.4E-04	4.9E-05	8.0E-04	1.7E-05	3.7E-03	0	1.1E-07	6.3E-08	0	6.8E-09	1.82E-07	0.2	0.000747
recreational	483830.6	3619725	9.1E-04	2.2E-03	1.7E-04	2.2E-04	4.8E-06	3.7E-03	0	1.1E-07	6.2E-08	0	6.7E-09	1.8E-07	0.2	0.000736
recreational	485730.6	3620425	1.8E-03	7.7E-04	5.1E-05	7.9E-04	1.5E-05	3.7E-03	0	1.1E-07	6.2E-08	0	6.6E-09	1.78E-07	0.2	0.00073
recreational	483930.6	3619725	9.3E-04	2.1E-03	1.6E-04	2.4E-04	4.9E-06	3.6E-03	0	1.1E-07	6.1E-08	0	6.5E-09	1.77E-07	0.2	0.000724
recreational	485530.6	3620425	1.6E-03	8.6E-04	6.0E-05	8.3E-04	1.4E-05	3.6E-03	0	1.1E-07	6.1E-08	0	6.5E-09	1.77E-07	0.2	0.000724
recreational	485630.6	3620425	1.7E-03	8.0E-04	5.4E-05	7.9E-04	1.4E-05	3.6E-03	0	1.1E-07	6.1E-08	0	6.5E-09	1.76E-07	0.2	0.000722
recreational	485830.6	3620525	1.7E-03	7.2E-04	4.7E-05	7.4E-04	1.6E-05	3.5E-03	0	1.1E-07	6E-08	0	6.4E-09	1.73E-07	0.2	0.000708
recreational	483830.6	3619825	8.7E-04	2.1E-03	1.6E-04	2.2E-04	4.5E-06	3.5E-03	0	1.1E-07	5.9E-08	0	6.3E-09	1.71E-07	0.2	0.000699

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
recreational	483530.6	3619925	7.9E-04	2.2E-03	1.7E-04	1.7E-04	3.9E-06	3.5E-03	0	1.1E-07	5.9E-08	0	6.3E-09	1.7E-07	0.2	0.000698
recreational	485730.6	3620525	1.7E-03	7.4E-04	4.9E-05	7.4E-04	1.4E-05	3.5E-03	0	1E-07	5.9E-08	0	6.3E-09	1.7E-07	0.2	0.000695
recreational	485630.6	3620525	1.6E-03	7.8E-04	5.2E-05	7.5E-04	1.4E-05	3.5E-03	0	1E-07	5.9E-08	0	6.3E-09	1.69E-07	0.2	0.000694
recreational	483930.6	3619825	9.0E-04	2.0E-03	1.5E-04	2.4E-04	4.7E-06	3.5E-03	0	1E-07	5.8E-08	0	6.3E-09	1.69E-07	0.2	0.000693
recreational	478630.6	3619325	3.8E-04	2.7E-03	2.1E-04	8.4E-05	2.4E-06	3.5E-03	0	1E-07	5.8E-08	0	6.3E-09	1.69E-07	0.2	0.000691
recreational	483630.6	3619925	8.1E-04	2.1E-03	1.6E-04	1.8E-04	4.0E-06	3.4E-03	0	1E-07	5.8E-08	0	6.2E-09	1.68E-07	0.2	0.000688
recreational	485530.6	3620525	1.5E-03	8.2E-04	5.7E-05	7.6E-04	1.3E-05	3.4E-03	0	1E-07	5.8E-08	0	6.2E-09	1.68E-07	0.2	0.000688
recreational	485730.6	3620625	1.6E-03	7.4E-04	4.9E-05	7.2E-04	1.4E-05	3.4E-03	0	1E-07	5.7E-08	0	6.2E-09	1.66E-07	0.2	0.000681
recreational	485830.6	3620625	1.7E-03	7.0E-04	4.6E-05	7.1E-04	1.5E-05	3.4E-03	0	1E-07	5.7E-08	0	6.2E-09	1.66E-07	0.2	0.00068
recreational	483730.6	3619925	8.3E-04	2.1E-03	1.5E-04	1.9E-04	4.2E-06	3.4E-03	0	1E-07	5.7E-08	0	6.1E-09	1.65E-07	0.2	0.000677
recreational	479030.6	3619725	3.7E-04	2.6E-03	2.2E-04	7.5E-05	2.1E-06	3.3E-03	0	1E-07	5.6E-08	0	6E-09	1.63E-07	0.2	0.000668
recreational	483830.6	3619925	8.4E-04	2.0E-03	1.5E-04	2.1E-04	4.3E-06	3.3E-03	0	1E-07	5.6E-08	0	6E-09	1.61E-07	0.2	0.000661
recreational	483930.6	3619925	8.7E-04	1.9E-03	1.4E-04	2.3E-04	4.5E-06	3.3E-03	0	9.9E-08	5.6E-08	0	6E-09	1.61E-07	0.2	0.000659
recreational	485630.6	3620625	1.5E-03	7.5E-04	5.0E-05	7.0E-04	1.3E-05	3.3E-03	0	9.9E-08	5.6E-08	0	5.9E-09	1.61E-07	0.2	0.000658
recreational	483530.6	3620025	7.5E-04	2.1E-03	1.6E-04	1.6E-04	3.7E-06	3.3E-03	0	9.9E-08	5.5E-08	0	5.9E-09	1.6E-07	0.2	0.000655
recreational	479130.6	3619825	3.7E-04	2.6E-03	2.1E-04	7.3E-05	2.1E-06	3.2E-03	0	9.8E-08	5.5E-08	0	5.9E-09	1.59E-07	0.2	0.00065
recreational	485530.6	3620625	1.5E-03	7.9E-04	5.3E-05	6.9E-04	1.2E-05	3.2E-03	0	9.8E-08	5.5E-08	0	5.9E-09	1.58E-07	0.2	0.000649
recreational	483630.6	3620025	7.7E-04	2.0E-03	1.5E-04	1.8E-04	3.9E-06	3.2E-03	0	9.7E-08	5.4E-08	0	5.8E-09	1.57E-07	0.2	0.000645
recreational	483730.6	3620025	7.9E-04	1.9E-03	1.4E-04	1.9E-04	4.0E-06	3.2E-03	0	9.6E-08	5.4E-08	0	5.8E-09	1.56E-07	0.2	0.000638
recreational	479230.6	3619925	3.6E-04	2.5E-03	2.1E-04	7.1E-05	2.0E-06	3.2E-03	0	9.5E-08	5.3E-08	0	5.7E-09	1.54E-07	0.2	0.000631
recreational	483830.6	3620025	8.1E-04	1.8E-03	1.4E-04	2.1E-04	4.2E-06	3.1E-03	0	9.5E-08	5.3E-08	0	5.7E-09	1.53E-07	0.2	0.000628
recreational	483930.6	3620025	8.4E-04	1.8E-03	1.3E-04	2.3E-04	4.4E-06	3.1E-03	0	9.5E-08	5.3E-08	0	5.7E-09	1.53E-07	0.2	0.000628
recreational	478730.6	3619525	3.7E-04	2.4E-03	1.9E-04	7.8E-05	2.2E-06	3.1E-03	0	9.2E-08	5.2E-08	0	5.5E-09	1.5E-07	0.1	0.000613
recreational	478630.6	3619425	3.7E-04	2.4E-03	1.9E-04	8.0E-05	2.3E-06	3.1E-03	0	9.2E-08	5.2E-08	0	5.5E-09	1.49E-07	0.1	0.000611
recreational	478530.6	3619325	3.7E-04	2.4E-03	1.9E-04	8.2E-05	2.3E-06	3.0E-03	0	9.2E-08	5.1E-08	0	5.5E-09	1.49E-07	0.1	0.000609
recreational	478830.6	3619625	3.6E-04	2.4E-03	1.9E-04	7.6E-05	2.2E-06	3.0E-03	0	9.2E-08	5.1E-08	0	5.5E-09	1.49E-07	0.1	0.000608
recreational	478430.6	3619225	3.7E-04	2.3E-03	1.8E-04	8.5E-05	2.4E-06	3.0E-03	0	9E-08	5.1E-08	0	5.4E-09	1.47E-07	0.1	0.0006
recreational	478930.6	3619725	3.6E-04	2.3E-03	1.9E-04	7.4E-05	2.1E-06	3.0E-03	0	9E-08	5.1E-08	0	5.4E-09	1.46E-07	0.1	0.000599
recreational	483930.6	3620125	8.1E-04	1.7E-03	1.2E-04	2.2E-04	4.3E-06	3.0E-03	0	9E-08	5.1E-08	0	5.4E-09	1.46E-07	0.1	0.000599
recreational	483830.6	3620125	7.9E-04	1.7E-03	1.3E-04	2.0E-04	4.1E-06	3.0E-03	0	9E-08	5E-08	0	5.4E-09	1.46E-07	0.1	0.000598
recreational	479030.6	3619825	3.6E-04	2.3E-03	1.9E-04	7.2E-05	2.1E-06	2.9E-03	0	8.9E-08	5E-08	0	5.3E-09	1.44E-07	0.1	0.00059
recreational	478330.6	3619125	3.8E-04	2.3E-03	1.8E-04	8.7E-05	2.4E-06	2.9E-03	0	8.9E-08	5E-08	0	5.3E-09	1.43E-07	0.1	0.000587
recreational	479130.6	3619925	3.5E-04	2.2E-03	1.9E-04	7.0E-05	2.0E-06	2.9E-03	0	8.7E-08	4.9E-08	0	5.2E-09	1.41E-07	0.1	0.000577
recreational	478230.6	3619025	3.8E-04	2.2E-03	1.7E-04	8.9E-05	2.5E-06	2.9E-03	0	8.6E-08	4.8E-08	0	5.2E-09	1.4E-07	0.1	0.000573
recreational	483830.6	3620225	7.6E-04	1.7E-03	1.2E-04	2.0E-04	4.0E-06	2.9E-03	0	8.6E-08	4.8E-08	0	5.2E-09	1.39E-07	0.1	0.000571
recreational	483930.6	3620225	7.8E-04	1.6E-03	1.2E-04	2.2E-04	4.2E-06	2.9E-03	0	8.6E-08	4.8E-08	0	5.2E-09	1.39E-07	0.1	0.00057
recreational	478730.6	3619625	3.6E-04	2.2E-03	1.7E-04	7.5E-05	2.1E-06	2.8E-03	0	8.5E-08	4.7E-08	0	5.1E-09	1.37E-07	0.1	0.000562
recreational	478830.6	3619725	3.6E-04	2.2E-03	1.7E-04	7.3E-05	2.1E-06	2.8E-03	0	8.5E-08	4.7E-08	0	5.1E-09	1.37E-07	0.1	0.000561
recreational	478630.6	3619525	3.6E-04	2.2E-03	1.7E-04	7.7E-05	2.2E-06	2.8E-03	0	8.4E-08	4.7E-08	0	5.1E-09	1.36E-07	0.1	0.000559
recreational	479230.6	3620025	3.5E-04	2.2E-03	1.8E-04	6.8E-05	2.0E-06	2.8E-03	0	8.4E-08	4.7E-08	0	5E-09	1.36E-07	0.1	0.000558
recreational	478530.6	3619425	3.6E-04	2.1E-03	1.7E-04	7.9E-05	2.2E-06	2.8E-03	0	8.4E-08	4.7E-08	0	5E-09	1.36E-07	0.1	0.000556
recreational	478930.6	3619825	3.6E-04	2.1E-03	1.7E-04	7.1E-05	2.0E-06	2.8E-03	0	8.4E-08	4.7E-08	0	5E-09	1.35E-07	0.1	0.000554
recreational	478430.6	3619325	3.7E-04	2.1E-03	1.6E-04	8.1E-05	2.3E-06	2.8E-03	0	8.3E-08	4.6E-08	0	5E-09	1.35E-07	0.1	0.000551
recreational	478330.6	3619225	3.7E-04	2.1E-03	1.6E-04	8.3E-05	2.4E-06	2.8E-03	0	8.3E-08	4.6E-08	0	5E-09	1.34E-07	0.1	0.00055
recreational	483830.6	3620325	7.4E-04	1.6E-03	1.1E-04	2.0E-04	3.9E-06	2.7E-03	0	8.2E-08	4.6E-08	0	4.9E-09	1.33E-07	0.1	0.000546
recreational	483930.6	3620325	7.6E-04	1.5E-03	1.1E-04	2.1E-04	4.1E-06	2.7E-03	0	8.2E-08	4.6E-08	0	4.9E-09	1.33E-07	0.1	0.000546
recreational	478230.6	3619125	3.8E-04	2.1E-03	1.5E-04	8.5E-05	2.4E-06	2.7E-03	0	8.2E-08	4.6E-08	0	4.9E-09	1.33E-07	0.1	0.000544
school	489656.5	3613786	7.8E-04	1.9E-04	9.6E-06	1.3E-04	4.3E-05	1.2E-03	0	0	1.1E-07	2.5E-08	0	1.32E-07	0.1	0.000245
recreational	479330.6	3620125	3.5E-04	2.1E-03	1.7E-04	6.6E-05	1.9E-06	2.7E-03	0	8.1E-08	4.6E-08	0	4.9E-09	1.32E-07	0.1	0.00054
school	489687.6	3613796	7.8E-04	1.9E-04	9.6E-06	1.3E-04	4.4E-05	1.2E-03	0	0	1.1E-07	2.5E-08	0	1.32E-07	0.1	0.000244
recreational	479030.6	3619925	3.5E-04	2.1E-03	1.7E-04	6.9E-05	2.0E-06	2.7E-03	0	8.1E-08	4.5E-08	0	4.9E-09	1.31E-07	0.1	0.000537

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
recreational	482330.6	3620725	4.6E-04	1.9E-03	1.5E-04	8.0E-05	2.2E-06	2.7E-03	0	8E-08	4.5E-08	0	4.8E-09	1.3E-07	0.1	0.000531
recreational	481330.6	3620825	3.9E-04	2.0E-03	1.5E-04	6.5E-05	1.9E-06	2.7E-03	0	8E-08	4.5E-08	0	4.8E-09	1.3E-07	0.1	0.000531
recreational	481430.6	3620825	3.9E-04	2.0E-03	1.5E-04	6.6E-05	1.9E-06	2.6E-03	0	8E-08	4.5E-08	0	4.8E-09	1.29E-07	0.1	0.000529
recreational	481230.6	3620825	3.8E-04	2.0E-03	1.5E-04	6.4E-05	1.8E-06	2.6E-03	0	8E-08	4.5E-08	0	4.8E-09	1.29E-07	0.1	0.000528
recreational	478130.6	3619025	3.7E-04	2.0E-03	1.5E-04	8.7E-05	2.5E-06	2.6E-03	0	7.9E-08	4.4E-08	0	4.8E-09	1.28E-07	0.1	0.000526
recreational	481130.6	3620825	3.8E-04	2.0E-03	1.5E-04	6.3E-05	1.8E-06	2.6E-03	0	7.9E-08	4.4E-08	0	4.8E-09	1.28E-07	0.1	0.000525
recreational	483930.6	3620425	7.4E-04	1.5E-03	1.0E-04	2.1E-04	4.1E-06	2.6E-03	0	7.9E-08	4.4E-08	0	4.7E-09	1.28E-07	0.1	0.000524
recreational	483830.6	3620425	7.1E-04	1.5E-03	1.1E-04	1.9E-04	3.8E-06	2.6E-03	0	7.9E-08	4.4E-08	0	4.7E-09	1.27E-07	0.1	0.000522
recreational	481530.6	3620825	3.9E-04	1.9E-03	1.6E-04	6.7E-05	1.9E-06	2.6E-03	0	7.9E-08	4.4E-08	0	4.7E-09	1.27E-07	0.1	0.000522
recreational	481030.6	3620825	3.7E-04	2.0E-03	1.5E-04	6.2E-05	1.8E-06	2.6E-03	0	7.9E-08	4.4E-08	0	4.7E-09	1.27E-07	0.1	0.000521
recreational	479130.6	3620025	3.5E-04	2.0E-03	1.6E-04	6.7E-05	1.9E-06	2.6E-03	0	7.8E-08	4.4E-08	0	4.7E-09	1.27E-07	0.1	0.000521
recreational	481630.6	3620825	4.0E-04	1.9E-03	1.5E-04	6.8E-05	1.9E-06	2.6E-03	0	7.8E-08	4.4E-08	0	4.7E-09	1.27E-07	0.1	0.00052
recreational	481930.6	3620825	4.2E-04	1.9E-03	1.5E-04	7.1E-05	2.0E-06	2.6E-03	0	7.8E-08	4.4E-08	0	4.7E-09	1.27E-07	0.1	0.00052
recreational	481830.6	3620825	4.1E-04	1.9E-03	1.5E-04	7.0E-05	2.0E-06	2.6E-03	0	7.8E-08	4.4E-08	0	4.7E-09	1.27E-07	0.1	0.000518
recreational	481730.6	3620825	4.0E-04	1.9E-03	1.5E-04	6.9E-05	1.9E-06	2.6E-03	0	7.8E-08	4.4E-08	0	4.7E-09	1.26E-07	0.1	0.000518
recreational	482030.6	3620825	4.3E-04	1.9E-03	1.4E-04	7.3E-05	2.0E-06	2.6E-03	0	7.7E-08	4.3E-08	0	4.6E-09	1.25E-07	0.1	0.000514
recreational	480930.6	3620825	3.7E-04	1.9E-03	1.5E-04	6.2E-05	1.8E-06	2.6E-03	0	7.7E-08	4.3E-08	0	4.6E-09	1.25E-07	0.1	0.000513
recreational	482130.6	3620825	4.4E-04	1.8E-03	1.4E-04	7.4E-05	2.0E-06	2.5E-03	0	7.7E-08	4.3E-08	0	4.6E-09	1.24E-07	0.1	0.00051
recreational	482330.6	3620825	4.6E-04	1.8E-03	1.3E-04	7.8E-05	2.1E-06	2.5E-03	0	7.6E-08	4.3E-08	0	4.6E-09	1.23E-07	0.1	0.000505
recreational	479230.6	3620125	3.4E-04	1.9E-03	1.6E-04	6.5E-05	1.9E-06	2.5E-03	0	7.6E-08	4.2E-08	0	4.6E-09	1.23E-07	0.1	0.000504
recreational	483930.6	3620525	7.1E-04	1.4E-03	9.7E-05	2.0E-04	4.0E-06	2.5E-03	0	7.6E-08	4.2E-08	0	4.5E-09	1.23E-07	0.1	0.000502
recreational	483830.6	3620525	6.9E-04	1.4E-03	1.0E-04	1.9E-04	3.8E-06	2.5E-03	0	7.6E-08	4.2E-08	0	4.5E-09	1.22E-07	0.1	0.000501
recreational	480830.6	3620825	3.6E-04	1.9E-03	1.5E-04	6.1E-05	1.8E-06	2.5E-03	0	7.5E-08	4.2E-08	0	4.5E-09	1.22E-07	0.1	0.0005
recreational	482230.6	3620825	4.3E-04	1.8E-03	1.4E-04	7.6E-05	2.1E-06	2.5E-03	0	7.5E-08	4.2E-08	0	4.5E-09	1.21E-07	0.1	0.000497
recreational	481330.6	3620925	3.7E-04	1.8E-03	1.4E-04	6.2E-05	1.8E-06	2.5E-03	0	7.4E-08	4.1E-08	0	4.4E-09	1.2E-07	0.1	0.00049
recreational	480730.6	3620825	3.5E-04	1.9E-03	1.5E-04	6.0E-05	1.7E-06	2.4E-03	0	7.4E-08	4.1E-08	0	4.4E-09	1.2E-07	0.1	0.00049
recreational	481730.6	3620925	4.0E-04	1.8E-03	1.4E-04	6.6E-05	1.9E-06	2.4E-03	0	7.4E-08	4.1E-08	0	4.4E-09	1.19E-07	0.1	0.000489
recreational	481430.6	3620925	3.7E-04	1.8E-03	1.4E-04	6.3E-05	1.8E-06	2.4E-03	0	7.4E-08	4.1E-08	0	4.4E-09	1.19E-07	0.1	0.000488
recreational	479330.6	3620225	3.4E-04	1.8E-03	1.5E-04	6.4E-05	1.9E-06	2.4E-03	0	7.4E-08	4.1E-08	0	4.4E-09	1.19E-07	0.1	0.000488
recreational	481230.6	3620925	3.7E-04	1.8E-03	1.4E-04	6.1E-05	1.8E-06	2.4E-03	0	7.3E-08	4.1E-08	0	4.4E-09	1.19E-07	0.1	0.000487
recreational	479030.6	3620025	3.4E-04	1.8E-03	1.5E-04	6.6E-05	1.9E-06	2.4E-03	0	7.3E-08	4.1E-08	0	4.4E-09	1.19E-07	0.1	0.000486
recreational	481630.6	3620925	3.8E-04	1.8E-03	1.4E-04	6.5E-05	1.8E-06	2.4E-03	0	7.3E-08	4.1E-08	0	4.4E-09	1.18E-07	0.1	0.000484
recreational	481130.6	3620925	3.6E-04	1.8E-03	1.4E-04	6.1E-05	1.8E-06	2.4E-03	0	7.3E-08	4.1E-08	0	4.4E-09	1.18E-07	0.1	0.000484
recreational	481530.6	3620925	3.8E-04	1.8E-03	1.4E-04	6.4E-05	1.8E-06	2.4E-03	0	7.3E-08	4.1E-08	0	4.4E-09	1.18E-07	0.1	0.000483
recreational	478030.6	3619025	3.7E-04	1.8E-03	1.3E-04	8.6E-05	2.4E-06	2.4E-03	0	7.3E-08	4.1E-08	0	4.4E-09	1.17E-07	0.1	0.000481
recreational	480630.6	3620825	3.4E-04	1.8E-03	1.4E-04	5.9E-05	1.7E-06	2.4E-03	0	7.2E-08	4E-08	0	4.3E-09	1.17E-07	0.1	0.000478
recreational	481030.6	3620925	3.6E-04	1.8E-03	1.4E-04	6.0E-05	1.7E-06	2.4E-03	0	7.2E-08	4E-08	0	4.3E-09	1.17E-07	0.1	0.000478
recreational	480530.6	3620825	3.4E-04	1.8E-03	1.4E-04	5.9E-05	1.7E-06	2.4E-03	0	7.2E-08	4E-08	0	4.3E-09	1.16E-07	0.1	0.000475
recreational	480930.6	3620925	3.5E-04	1.8E-03	1.3E-04	5.9E-05	1.7E-06	2.4E-03	0	7.1E-08	4E-08	0	4.3E-09	1.15E-07	0.1	0.000473
recreational	480430.6	3620825	3.4E-04	1.8E-03	1.3E-04	5.8E-05	1.7E-06	2.3E-03	0	7E-08	3.9E-08	0	4.2E-09	1.14E-07	0.1	0.000465
recreational	481630.6	3621025	3.7E-04	1.7E-03	1.3E-04	6.3E-05	1.8E-06	2.3E-03	0	6.9E-08	3.8E-08	0	4.1E-09	1.11E-07	0.1	0.000456
recreational	481530.6	3621025	3.7E-04	1.7E-03	1.3E-04	6.2E-05	1.8E-06	2.3E-03	0	6.8E-08	3.8E-08	0	4.1E-09	1.11E-07	0.1	0.000455
recreational	480330.6	3620825	3.3E-04	1.7E-03	1.3E-04	5.7E-05	1.7E-06	2.3E-03	0	6.8E-08	3.8E-08	0	4.1E-09	1.11E-07	0.1	0.000453
recreational	481430.6	3621025	3.6E-04	1.7E-03	1.3E-04	6.1E-05	1.7E-06	2.3E-03	0	6.8E-08	3.8E-08	0	4.1E-09	1.1E-07	0.1	0.000451
recreational	479030.6	3620125	3.3E-04	1.7E-03	1.3E-04	6.4E-05	1.8E-06	2.2E-03	0	6.7E-08	3.8E-08	0	4E-09	1.09E-07	0.1	0.000447
recreational	480030.6	3620725	3.2E-04	1.7E-03	1.3E-04	5.7E-05	1.7E-06	2.2E-03	0	6.6E-08	3.7E-08	0	4E-09	1.08E-07	0.1	0.000441
recreational	480230.6	3620825	3.3E-04	1.6E-03	1.3E-04	5.7E-05	1.7E-06	2.2E-03	0	6.6E-08	3.7E-08	0	4E-09	1.07E-07	0.1	0.000438
recreational	481930.6	3621125	3.9E-04	1.6E-03	1.1E-04	6.5E-05	1.8E-06	2.2E-03	0	6.5E-08	3.7E-08	0	3.9E-09	1.06E-07	0.1	0.000433
recreational	481830.6	3621125	3.8E-04	1.6E-03	1.1E-04	6.3E-05	1.8E-06	2.2E-03	0	6.5E-08	3.6E-08	0	3.9E-09	1.05E-07	0.1	0.000432
recreational	482030.6	3621125	3.9E-04	1.5E-03	1.1E-04	6.6E-05	1.8E-06	2.2E-03	0	6.5E-08	3.6E-08	0	3.9E-09	1.05E-07	0.1	0.000432
recreational	482130.6	3621125	4.0E-04	1.5E-03	1.1E-04	6.8E-05	1.9E-06	2.2E-03	0	6.5E-08	3.6E-08	0	3.9E-09	1.05E-07	0.1	0.000431

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)								
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
recreational	481730.6	3621125	3.7E-04	1.6E-03	1.2E-04	6.2E-05	1.8E-06	2.2E-03	0	6.5E-08	3.6E-08	0	3.9E-09	1.05E-07	0.1	0.000431
recreational	481630.6	3621125	3.6E-04	1.6E-03	1.2E-04	6.1E-05	1.7E-06	2.2E-03	0	6.5E-08	3.6E-08	0	3.9E-09	1.05E-07	0.1	0.000431
recreational	481530.6	3621125	3.6E-04	1.6E-03	1.2E-04	6.0E-05	1.7E-06	2.1E-03	0	6.5E-08	3.6E-08	0	3.9E-09	1.05E-07	0.1	0.00043
recreational	482530.6	3621125	4.4E-04	1.5E-03	9.9E-05	7.8E-05	2.0E-06	2.1E-03	0	6.5E-08	3.6E-08	0	3.9E-09	1.05E-07	0.1	0.000429
recreational	481430.6	3621125	3.5E-04	1.6E-03	1.2E-04	5.9E-05	1.7E-06	2.1E-03	0	6.5E-08	3.6E-08	0	3.9E-09	1.05E-07	0.1	0.000428
recreational	482230.6	3621125	4.1E-04	1.5E-03	1.1E-04	7.0E-05	1.9E-06	2.1E-03	0	6.5E-08	3.6E-08	0	3.9E-09	1.05E-07	0.1	0.000428
recreational	482330.6	3621125	4.1E-04	1.5E-03	1.1E-04	7.2E-05	1.9E-06	2.1E-03	0	6.4E-08	3.6E-08	0	3.9E-09	1.04E-07	0.1	0.000427
recreational	482430.6	3621125	4.2E-04	1.5E-03	1.1E-04	7.5E-05	2.0E-06	2.1E-03	0	6.4E-08	3.6E-08	0	3.8E-09	1.04E-07	0.1	0.000426
recreational	478930.6	3620125	3.3E-04	1.6E-03	1.2E-04	6.3E-05	1.8E-06	2.1E-03	0	6.4E-08	3.6E-08	0	3.8E-09	1.04E-07	0.1	0.000425
recreational	480130.6	3620825	3.2E-04	1.6E-03	1.2E-04	5.6E-05	1.7E-06	2.1E-03	0	6.4E-08	3.6E-08	0	3.8E-09	1.03E-07	0.1	0.000422
recreational	480030.6	3620825	3.2E-04	1.5E-03	1.2E-04	5.5E-05	1.6E-06	2.1E-03	0	6.2E-08	3.5E-08	0	3.7E-09	1.01E-07	0.1	0.000414
recreational	481930.6	3621225	3.7E-04	1.5E-03	1.1E-04	6.3E-05	1.8E-06	2.1E-03	0	6.2E-08	3.5E-08	0	3.7E-09	1E-07	0.1	0.000411
recreational	481830.6	3621225	3.7E-04	1.5E-03	1.1E-04	6.2E-05	1.7E-06	2.1E-03	0	6.2E-08	3.5E-08	0	3.7E-09	1E-07	0.1	0.000411
recreational	482030.6	3621225	3.8E-04	1.5E-03	1.0E-04	6.5E-05	1.8E-06	2.1E-03	0	6.2E-08	3.5E-08	0	3.7E-09	1E-07	0.1	0.000411
recreational	482130.6	3621225	3.9E-04	1.4E-03	1.0E-04	6.7E-05	1.8E-06	2.1E-03	0	6.2E-08	3.5E-08	0	3.7E-09	1E-07	0.1	0.000411
recreational	481730.6	3621225	3.6E-04	1.5E-03	1.1E-04	6.0E-05	1.7E-06	2.1E-03	0	6.2E-08	3.5E-08	0	3.7E-09	1E-07	0.1	0.00041
recreational	482230.6	3621225	4.0E-04	1.4E-03	1.0E-04	6.9E-05	1.9E-06	2.0E-03	0	6.2E-08	3.5E-08	0	3.7E-09	1E-07	0.1	0.00041
recreational	482330.6	3621225	4.0E-04	1.4E-03	1.0E-04	7.1E-05	1.9E-06	2.0E-03	0	6.2E-08	3.4E-08	0	3.7E-09	9.97E-08	0.1	0.000408
recreational	481630.6	3621225	3.5E-04	1.5E-03	1.1E-04	5.9E-05	1.7E-06	2.0E-03	0	6.2E-08	3.4E-08	0	3.7E-09	9.97E-08	0.1	0.000408
recreational	481530.6	3621225	3.5E-04	1.5E-03	1.1E-04	5.8E-05	1.7E-06	2.0E-03	0	6.1E-08	3.4E-08	0	3.7E-09	9.95E-08	0.1	0.000408
recreational	482430.6	3621225	4.1E-04	1.4E-03	9.9E-05	7.4E-05	1.9E-06	2.0E-03	0	6.1E-08	3.4E-08	0	3.7E-09	9.94E-08	0.1	0.000407
recreational	482530.6	3621225	4.2E-04	1.4E-03	9.7E-05	7.7E-05	2.0E-06	2.0E-03	0	6.1E-08	3.4E-08	0	3.7E-09	9.9E-08	0.1	0.000406
recreational	481430.6	3621225	3.5E-04	1.5E-03	1.1E-04	5.7E-05	1.6E-06	2.0E-03	0	6.1E-08	3.4E-08	0	3.7E-09	9.9E-08	0.1	0.000406
recreational	481330.6	3621225	3.4E-04	1.5E-03	1.1E-04	5.6E-05	1.6E-06	2.0E-03	0	6.1E-08	3.4E-08	0	3.6E-09	9.85E-08	0.1	0.000404
recreational	478930.6	3620225	3.3E-04	1.5E-03	1.1E-04	6.1E-05	1.8E-06	2.0E-03	0	6E-08	3.4E-08	0	3.6E-09	9.74E-08	0.1	0.000399
recreational	481030.6	3621225	3.3E-04	1.4E-03	1.0E-04	5.4E-05	1.6E-06	2.0E-03	0	5.9E-08	3.3E-08	0	3.6E-09	9.6E-08	0.1	0.000393
recreational	480930.6	3621225	3.3E-04	1.4E-03	1.0E-04	5.3E-05	1.5E-06	1.9E-03	0	5.8E-08	3.3E-08	0	3.5E-09	9.47E-08	0.1	0.000388
recreational	480830.6	3621225	3.2E-04	1.4E-03	1.0E-04	5.3E-05	1.5E-06	1.9E-03	0	5.7E-08	3.2E-08	0	3.4E-09	9.31E-08	0.1	0.000381
recreational	480730.6	3621225	3.2E-04	1.4E-03	9.8E-05	5.2E-05	1.5E-06	1.9E-03	0	5.6E-08	3.2E-08	0	3.4E-09	9.12E-08	0.1	0.000374
recreational	478830.6	3620225	3.2E-04	1.3E-03	1.0E-04	6.0E-05	1.7E-06	1.9E-03	0	5.6E-08	3.1E-08	0	3.3E-09	9.03E-08	0.1	0.00037
recreational	478530.6	3620025	3.2E-04	1.3E-03	9.6E-05	6.2E-05	1.8E-06	1.8E-03	0	5.6E-08	3.1E-08	0	3.3E-09	9.01E-08	0.1	0.000369
recreational	477830.6	3619325	3.4E-04	1.3E-03	8.7E-05	7.4E-05	2.1E-06	1.8E-03	0	5.5E-08	3.1E-08	0	3.3E-09	8.98E-08	0.1	0.000368
recreational	480630.6	3621225	3.1E-04	1.3E-03	9.6E-05	5.1E-05	1.5E-06	1.8E-03	0	5.5E-08	3.1E-08	0	3.3E-09	8.94E-08	0.1	0.000366
recreational	480530.6	3621225	3.1E-04	1.3E-03	9.4E-05	5.1E-05	1.5E-06	1.8E-03	0	5.4E-08	3E-08	0	3.2E-09	8.76E-08	0.1	0.000359
recreational	480430.6	3621225	3.0E-04	1.3E-03	9.2E-05	5.0E-05	1.5E-06	1.8E-03	0	5.3E-08	3E-08	0	3.2E-09	8.56E-08	0.1	0.000351
recreational	477930.6	3619525	3.3E-04	1.2E-03	8.4E-05	6.9E-05	2.0E-06	1.7E-03	0	5.2E-08	2.9E-08	0	3.1E-09	8.5E-08	0.1	0.000348
recreational	478130.6	3619725	3.2E-04	1.2E-03	8.7E-05	6.6E-05	1.9E-06	1.7E-03	0	5.2E-08	2.9E-08	0	3.1E-09	8.49E-08	0.1	0.000348
recreational	478030.6	3619625	3.2E-04	1.2E-03	8.6E-05	6.8E-05	2.0E-06	1.7E-03	0	5.2E-08	2.9E-08	0	3.1E-09	8.44E-08	0.1	0.000346
recreational	480330.6	3621225	3.0E-04	1.2E-03	8.9E-05	5.0E-05	1.5E-06	1.7E-03	0	5.1E-08	2.9E-08	0	3.1E-09	8.31E-08	0.1	0.00034
recreational	478530.6	3620125	3.1E-04	1.2E-03	8.8E-05	6.0E-05	1.7E-06	1.7E-03	0	5.1E-08	2.9E-08	0	3.1E-09	8.26E-08	0.1	0.000338
recreational	478630.6	3620225	3.1E-04	1.2E-03	8.8E-05	5.8E-05	1.7E-06	1.7E-03	0	5.1E-08	2.8E-08	0	3E-09	8.18E-08	0.1	0.000335
recreational	477830.6	3619425	3.2E-04	1.2E-03	8.1E-05	6.7E-05	2.0E-06	1.7E-03	0	5E-08	2.8E-08	0	3E-09	8.16E-08	0.1	0.000334
recreational	477930.6	3619625	3.2E-04	1.2E-03	7.9E-05	6.7E-05	1.9E-06	1.7E-03	0	5E-08	2.8E-08	0	3E-09	8.12E-08	0.1	0.000333
recreational	480230.6	3621225	2.9E-04	1.2E-03	8.6E-05	4.9E-05	1.5E-06	1.7E-03	0	5E-08	2.8E-08	0	3E-09	8.12E-08	0.1	0.000332
recreational	478730.6	3620325	3.1E-04	1.2E-03	8.7E-05	5.7E-05	1.7E-06	1.7E-03	0	5E-08	2.8E-08	0	3E-09	8.06E-08	0.1	0.00033
recreational	478430.6	3620125	3.1E-04	1.1E-03	8.2E-05	5.9E-05	1.7E-06	1.6E-03	0	4.8E-08	2.7E-08	0	2.9E-09	7.84E-08	0.1	0.000321
recreational	480130.6	3621225	2.9E-04	1.2E-03	8.3E-05	4.9E-05	1.4E-06	1.6E-03	0	4.8E-08	2.7E-08	0	2.9E-09	7.83E-08	0.1	0.000321
recreational	478530.6	3620225	3.1E-04	1.1E-03	8.2E-05	5.8E-05	1.7E-06	1.6E-03	0	4.8E-08	2.7E-08	0	2.9E-09	7.8E-08	0.1	0.00032
recreational	477830.6	3619525	3.1E-04	1.1E-03	7.5E-05	6.4E-05	2.0E-06	1.6E-03	0	4.8E-08	2.7E-08	0	2.9E-09	7.7E-08	0.1	0.000315
recreational	478630.6	3620325	3.0E-04	1.1E-03	8.1E-05	5.6E-05	1.7E-06	1.6E-03	0	4.7E-08	2.7E-08	0	2.8E-09	7.67E-08	0.1	0.000314
recreational	478330.6	3620125	3.1E-04	1.1E-03	7.7E-05	5.8E-05	1.7E-06	1.6E-03	0	4.7E-08	2.6E-08	0	2.8E-09	7.65E-08	0.1	0.000313

2035 STC Alternative Mitigated - Dry Bulk only

			Scaled AERMOD concentration (1 g/s * actual rate)						Risk (Residential 30-yr; school 9-yr; park 15-year)							
type	x	y	Vessel Hoteling	Vessel Transit	Tug/Barge Transit	Terminal Equipment	Trucks	Total conc at receptor	3rd tri	0<2	2<9	2<16	16<30	Summed Risk	Total Cases Per Million	Total Chronic HI
recreational	478430.6	3620225	3.0E-04	1.0E-03	7.6E-05	5.7E-05	1.7E-06	1.5E-03	0	4.6E-08	2.5E-08	0	2.7E-09	7.38E-08	0.1	0.000302
recreational	477930.6	3619825	3.1E-04	1.0E-03	7.0E-05	6.2E-05	1.8E-06	1.5E-03	0	4.5E-08	2.5E-08	0	2.7E-09	7.26E-08	0.1	0.000297
recreational	478630.6	3620425	2.9E-04	1.0E-03	7.5E-05	5.4E-05	1.6E-06	1.5E-03	0	4.5E-08	2.5E-08	0	2.7E-09	7.23E-08	0.1	0.000296
recreational	478530.6	3620325	2.9E-04	1.0E-03	7.4E-05	5.6E-05	1.6E-06	1.5E-03	0	4.4E-08	2.5E-08	0	2.7E-09	7.19E-08	0.1	0.000294
recreational	477830.6	3619625	3.0E-04	1.0E-03	6.8E-05	6.1E-05	1.9E-06	1.5E-03	0	4.4E-08	2.5E-08	0	2.6E-09	7.14E-08	0.1	0.000293
recreational	478230.6	3620125	3.0E-04	9.9E-04	7.0E-05	5.8E-05	1.7E-06	1.4E-03	0	4.4E-08	2.4E-08	0	2.6E-09	7.08E-08	0.1	0.00029
recreational	478330.6	3620225	3.0E-04	9.8E-04	7.0E-05	5.6E-05	1.7E-06	1.4E-03	0	4.3E-08	2.4E-08	0	2.6E-09	7E-08	0.1	0.000287
recreational	478430.6	3620325	2.9E-04	9.7E-04	6.9E-05	5.5E-05	1.6E-06	1.4E-03	0	4.3E-08	2.4E-08	0	2.6E-09	6.92E-08	0.1	0.000284
recreational	478530.6	3620425	2.9E-04	9.7E-04	7.0E-05	5.4E-05	1.6E-06	1.4E-03	0	4.3E-08	2.4E-08	0	2.6E-09	6.91E-08	0.1	0.000283
recreational	478630.6	3620525	2.9E-04	9.7E-04	7.0E-05	5.2E-05	1.6E-06	1.4E-03	0	4.2E-08	2.4E-08	0	2.5E-09	6.88E-08	0.1	0.000282
recreational	477830.6	3619725	3.0E-04	9.2E-04	6.2E-05	5.8E-05	1.8E-06	1.4E-03	0	4.1E-08	2.3E-08	0	2.5E-09	6.68E-08	0.1	0.000274
recreational	478030.6	3620025	2.9E-04	9.2E-04	6.4E-05	5.8E-05	1.7E-06	1.4E-03	0	4.1E-08	2.3E-08	0	2.5E-09	6.67E-08	0.1	0.000273
recreational	478130.6	3620125	2.9E-04	9.1E-04	6.3E-05	5.4E-05	1.7E-06	1.3E-03	0	4.1E-08	2.3E-08	0	2.4E-09	6.57E-08	0.1	0.000269
recreational	477930.6	3619925	2.9E-04	9.0E-04	6.1E-05	5.6E-05	1.7E-06	1.3E-03	0	4E-08	2.3E-08	0	2.4E-09	6.56E-08	0.1	0.000269
recreational	478530.6	3620525	2.8E-04	9.0E-04	6.4E-05	5.2E-05	1.5E-06	1.3E-03	0	4E-08	2.2E-08	0	2.4E-09	6.49E-08	0.1	0.000266
recreational	478430.6	3620425	2.8E-04	9.0E-04	6.3E-05	5.3E-05	1.6E-06	1.3E-03	0	4E-08	2.2E-08	0	2.4E-09	6.48E-08	0.1	0.000266
recreational	478230.6	3620225	2.9E-04	9.0E-04	6.2E-05	5.2E-05	1.6E-06	1.3E-03	0	4E-08	2.2E-08	0	2.4E-09	6.47E-08	0.1	0.000265
recreational	478330.6	3620325	2.9E-04	8.9E-04	6.2E-05	5.1E-05	1.6E-06	1.3E-03	0	4E-08	2.2E-08	0	2.4E-09	6.44E-08	0.1	0.000264
recreational	478630.6	3620625	2.8E-04	8.9E-04	6.3E-05	5.1E-05	1.5E-06	1.3E-03	0	4E-08	2.2E-08	0	2.4E-09	6.42E-08	0.1	0.000263
recreational	478030.6	3620125	2.8E-04	8.2E-04	5.4E-05	5.2E-05	1.6E-06	1.2E-03	0	3.7E-08	2.1E-08	0	2.2E-09	6.04E-08	0.1	0.000248
recreational	478130.6	3620225	2.8E-04	8.2E-04	5.5E-05	5.1E-05	1.6E-06	1.2E-03	0	3.7E-08	2.1E-08	0	2.2E-09	6.02E-08	0.1	0.000247
recreational	477930.6	3620025	2.8E-04	8.0E-04	5.1E-05	5.2E-05	1.7E-06	1.2E-03	0	3.7E-08	2E-08	0	2.2E-09	5.92E-08	0.1	0.000242

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APPENDIX B

Source List

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AERMOD View - Source Parameters
MS Excel - Lakes Format: Version 3.0
Supported Source Types: Point, Rectangular Area, Circular Area, Polygon Area, Volume, Open Pit, Line Volume, Line Area

Parameters	Units	Description
Type		POINT, AREA, AREA_CIRC, AREA_POLY, VOLUME, OPEN_PIT, LINE, LINE_VOLUME, LINE_AREA, BUOYLINE
ID		Source ID up to 12 characters
Desc		Optional description
SourceID_Prefix		Text prefix up to 4 characters long for generated LINE_VOLUME and LINE_AREA sources
Base_Elev	[m]	Source base elevation above mean sea level
Height	[m]	Release height above ground
Diam	[m]	Inner stack diameter (POINT) or circular area radius (AREA_CIRC)
Exit_Vel	[m/s]	Exit velocity (POINT only)
Exit_Temp	[K]	Exit temperature (POINT only)
Release Type		VERTICAL, HORIZONTAL, CAPPED (POINT only) - HORIZONTAL and CAPPED are non-default beta options
SigmaY	[m]	Initial sigma Y (VOLUME only)
SigmaZ	[m]	Initial sigma Z (AREA, AREA_CIRC, AREA_POLY, VOLUME, LINE, and LINE_AREA only; optional for AREA, AREA_CIRC, AREA_POLY, and LINE)
Length_X	[m]	X side length (AREA, VOLUME, OPEN PIT, and LINE_AREA only; optional for VOLUME, will be used to calculate SigmaY)
Length_Y	[m]	Y side length (AREA and OPEN PIT only); width for LINE sources
Rotation_Angle	[degrees]	Clockwise rotation from North of Y side (AREA and OPEN PIT only)
Pit_Volume	[m^3]	Volume of the open pit (OPEN PIT only)
Emission_Rate	[g/s or g/s/m2]	Emission rate (g/s for POINT, VOLUME, and LINE_VOLUME; g/s/m2 for AREA, AREA_CIRC, AREA_POLY, OPENPIT, LINE, and LINE_AREA)
Configuration		LINE_VOLUME configuration: Separated, Adjacent or Separated2W
LineVolumeHeight	[m]	Plume Height or Building Height for LINE_VOLUME source
PlumeWidth	[m]	Plume width for LINE_VOLUME source
LineVolumeType		LINE_VOLUME type: None, Surface-Based, Elevated, Elevated Building
LineArea_Ratio1		Ratio 1 for LINE_AREA sources
Line_FPRIMEL =	[m**4/s**3]	Average buoyance parameter (BUOYLINE source only)
Line_L =	[m]	Building Length (BUOYLINE source only)
Line_HB =	[m]	Building Height (BUOYLINE source only)
Line_WB =	[m]	Building Width (BUOYLINE source only)
Line_WM =	[m]	Line Source Width (BUOYLINE source only)
Line_DX =	[m]	Separation between buildings (BUOYLINE source only)
Num_Coords		Number of coordinate pairs (POINT, AREA, AREA_CIRC, VOLUME, OPENPIT = 1; AREA_POLY >= 3; LINE = 2; LINE_AREA, LINE_VOLUME >=2)
X1	[m]	X coordinate of source location [m]
Y1	[m]	Y coordinate of source location [m]
X2	[m]	Secondary X coordinate of source location [m] (AREA_POLY, LINE, LINE_VOLUME, LINE_AREA, BUOYLINE sources only)
Y2	[m]	Secondary Y coordinate of source location [m] (AREA_POLY, LINE, LINE_VOLUME, LINE_AREA, BUOYLINE sources only)
X3	[m]	Additional X coordinate of source location [m] (AREA_POLY, LINE_VOLUME, LINE_AREA only)
Y3	[m]	Additional Y coordinate of source location [m] (AREA_POLY, LINE_VOLUME, LINE_AREA only)
X4	[m]	Additional X coordinate of source location [m] (AREA_POLY, LINE_VOLUME, LINE_AREA only)
Y4	[m]	Additional Y coordinate of source location [m] (AREA_POLY, LINE_VOLUME, LINE_AREA only)
Base_Elev_m	[m]	Base Elevation for LINE_VOLUME, LINE_AREA Nodes
Rel_Height_m	[m]	Release height for LINE_VOLUME, LINE_AREA Nodes

NOTE: you may keep adding additional coordinate pairs for an AREA_POLY or LINE_VOLUME sources, be sure to add the headers as well (eg. X5, Y5, etc)

Type	ID	Desc	Source Number	Base_Elev	Height	Diam	Exit_Vel	Exit_Temp	Release_Type	SigmaY	SigmaZ	Length_X	Emission_Rate	X1	Y1
				[m]	[m]	[m]	[m/s]	[K]		[m]	[m]	[m]		[m]	[m]
POINT	DC11	Baghouse 1-1	1	3.44	13.716	0.6096	33.9573	295.37222	VERTICAL				1	485507.33	3617975.58
POINT	DC21	Baghouse 2-1	2	1.59	13.716	0.6096	33.9573	295.37222	VERTICAL				1	485433.79	3617891.49
AREA	UNLOADER	Unloader	3	1	1.8288						6	8.705197794	0.000958557	485540.34	3617672.96
VOLUME	LOAD1	TruckLoadout	4	2.5	2.4384					0.70884	4.96186	3.048	1	485417.96	3618002.87
VOLUME	LOAD2	TruckLoadout	5	1.82	2.4384					0.70884	4.96186	3.048	1	485379.18	3617953.39
POINT	DC12	Baghouse 1-2	6	3.39	13.716	0.6096	33.9573	295.37222	VERTICAL				1	485511.91	3617971.63
POINT	DC22	Baghouse 2-2	7	1.55	13.716	0.6096	33.9573	295.37222	VERTICAL				1	485437.16	3617888.14
LINE_AREA	TR_28TH	truckson28th	8								3.04	19	0.000112764	487457.73	3617568.07
LINE_AREA	TR_BOS	trucksonBostonAve	9								3.04	14	0.000369353	487472.12	3617356.09
LINE_AREA	TR_CROS	trucksonCrosby	10								3.04	10	0.000213815	486173.58	3617838.44
LINE_AREA	TR_HACHA	trucks Harbor from exit to Chavez	11								3.04	17	5.85481E-05	485395.42	3618469.33
LINE_AREA	TR_HASAM	truckonHarbor_btwnChavezandSamps	12								3.04	23	2.82765E-05	486186.76	3617850.29
LINE_AREA	TR_BAMAR	BayMarina	13								3.04	10	0.000192574	489423.63	3613479.38
POINT	B107AUX	10-7 aux	14	0.69	37.19	0.39	9.22	573.15	VERTICAL				1	485589.19	3617642.04
POINT	B108AUX	10-8 aux	15	1	37.19	0.39	9.22	573.15	VERTICAL				1	485702.40	3617680.17
POINT	B107BLR	10-7 boiler	16	0.69	37.19	0.49	18.24	559.26	VERTICAL				1	485589.19	3617642.04
POINT	B108BLR	10-8 boiler	17	1	37.19	0.49	18.24	559.26	VERTICAL				1	485702.40	3617680.17
LINE_VOLUME	OGVPATH	OGV path in-harbor - Prop + Aux	18										1	485202.85	3617631.42
LINE_VOLUME	OGV_BLR	OGV path in-harbor - Boiler	19										1	485202.85	3617631.42
LINE_VOLUME	TUGPATH	Tug path in-harbor	20										1	485202.85	3617631.42

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APPENDIX C

Emission Calculations

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Table C-1 Delivery Truck Emissions

Material Handled (metric/yr)	Truck Capacity (metric/truck)	Loading Capacity (trucks/hr)	Trucks Loaded per Day	Trucks Loaded per Year
600000	25	16	176	24000

Direction	Length (miles)	Emission Factor (lb/mi)	Trucks (per year)	Trucks (per hour)	Hourly PM (lb/hr)	Annual PM (lb/yr)
28th	0.012	0.0002	12000	8	2.18E-05	3.27E-02
Boston Ave	0.009	0.0002	6000	4	7.97E-06	1.20E-02
Crosby	0.006	0.0002	24000	16	2.29E-05	3.43E-02
Harbor from exit to Chavez	0.011	0.0002	12000	8	1.94E-05	2.91E-02
Harbor between Chavez and Sampson	0.014	0.0002	12000	8	2.63E-05	3.95E-02
Bay Marina	0.006	0.0002	0	0	0	0

Source List from TAMT Final EIR. Assumes 50% distribution of trucks at every intersection. Bay Marina is outside truck route for Berths 7 and 8.
Emfac2014 for SDAPCD 2019 annual T7 Tractor emission factors. Adjusted Emission Factors are 90% 5 year or newer fleet and 10% mixed fleet.

Idling Emissions (per Lane)

Emissions	Units	DPM
Emission Factor	g/vehicle/day	2.17E-03
Emission Factor	lb/vehicle/day	4.79E-06
Max Hourly Emissions	lb/hr	3.83E-05
Annual Emissions	lb/yr	5.75E-02

Emfac2014 for SDAPCD 2019 annual T7 Tractor emission factors. Adjusted Emission Factors are 90% 5 year or newer fleet and 10% mixed fleet.

Table C-2 Cement Emissions (per Source)

Emissions Source	Peak Hourly PM (lb/hr)	Annual PM (lb/yr)
Unloader (1)[(1)]	0.52	2113.41
Warehouse Baghouse (4)[(2)]	0.126	508.03
Truck Loading (2)[(3)]	0.04	61.81

(1) Based on 5 mg/m3 @ 14,000 cfm. 4032 hours per year. Two unloaders as 1 area source.

(2) From Source Test Report August 31, 2006, Delta Air Quality Services for 0.0007 grain/cfm @ 21,000 cfm each.

(3) Truck loading performed through a loading spout that completely encompases the truck porthole and employs negative pressure updraft of displaced truck container air, which is filtered through a dust collection system therefore, loading emissions are accounted for in baghouse emissions.

Use of SCAQMD Rule 1158 truck loading equation applied as follows:

Emission factor for truck loading based on AP-42 and SCAQMD Rule 1158.

Loading Emission Rate (lbs/year) = (LF x Trans x Thru x Days) x (1-Eff.)

where: LF = Load in/out Factor (lb/metric ton) = $kL \times 0.0032 \times 1.1 \times (WS/5)^{1.3} \times (M/2)^{-1.4}$

where, kL= Particle Size Multiplier = 0.35 (PM10) and 0.74 (PM30)

WS = Mean Wind Speed (mph) = 6 mph

M = Moisture Content (%) = 1 % from source test data

Trans = Number of Transfers (trucks/day)

Thru = Capacity per truck (metric tons/truck)

Eff = Efficiency of Fugitive Dust Controls

[Waterspray = 80% (AP-42, 8.19.1 (2/95)), Enclosure waterspray = 95% (assumed)]

Efficiency used is 95% as loading is controlled by updraft to a baghouse.

Cement Speciation	Max	Avg	Unloader Emissions		Warehouse Baghouse Emissions		Truck Loading Emissions	
Pollutant	(mg/kg)	(mg/kg)	(lb/hr)	(lb/yr)	(lb/hr)	(lb/yr)	(lb/hr)	(lb/yr)
Arsenic	130	58	6.81E-05	1.23E-01	1.64E-05	2.95E-02	5.36E-06	3.59E-03
Cadmium	4	2	2.10E-06	4.23E-03	5.04E-07	1.02E-03	1.65E-07	1.24E-04
Chrome VI	148	66	7.76E-05	1.39E-01	1.86E-05	3.35E-02	6.10E-06	4.08E-03
Copper	560	259	2.94E-04	5.47E-01	7.06E-05	1.32E-01	2.31E-05	1.60E-02
Lead	126	52	6.60E-05	1.10E-01	1.59E-05	2.64E-02	5.19E-06	3.21E-03
Manganese	1500	546	7.86E-04	1.15E+00	1.89E-04	2.77E-01	6.18E-05	3.37E-02
Nickel	41	28	2.15E-05	5.92E-02	5.17E-06	1.42E-02	1.69E-06	1.73E-03
Vanadium	160	63	8.39E-05	1.33E-01	2.02E-05	3.20E-02	6.59E-06	3.89E-03

Average speciation used for annual emissions. Maximum speciation used for hourly emissions. Emissions are per source.

Table C-3 Payloader Emissions (per Stack)

Cleanout	Unit	DPM
175-300 HP Off-road Emission Factors [1]	g/hp-hr	0.02
Baghouse Dust Control Efficiency	Percent	95%
Max Hourly Payloader Emission Factors [3]	lb/hr	6.61E-05
Payloader Emission Factors [3][4]	lb/yr	7.62E-02

Warehouse	Unit	DPM
175-300 HP Off-road Emission Factors [1]	g/hp-hr	0.02
Baghouse Dust Control Efficiency	Percent	95%
Max Hourly Payloader Emission Factors [3]	lb/hr	6.6E-05
Payloader Emission Factors [3][4]	lb/yr	9.3E-02

(1) US EPA Tier 4 Non-Road Diesel Emission Factors

(2) US EPA Exhaust and Crankcase Emission Factors for Nonroad Engine Modeling - Compression-Ignition - Table A5.

(3) Assumes 300 HP payloader @ 40% load factor per 2011 OFFROAD for rubber tired dozers. PM emissions controlled by warehouse baghouse.

(4) 4 hours per day, 7 days per week, 50 weeks per year.

Table C-4 Vessel Parameters

OGV Main Engine Usage per One-Way Transit

Activity	Propulsion Max kW [1]	Speed (Kts) [2]	Load Factor [3]	Distance (nm/trip) [4]	Duration (hr/trip)	Energy Consumed (kW-hr/trip)
Precautionary Zone - Non-VSR	8,847	13.5	0.83	21.7	1.60	11,780.10
Precautionary Zone - VSR	8,847	12.0	0.58	21.7	1.81	9,258.29
Precautionary Zone - Annual Average	8,847	12.2	0.60	21.7	1.79	9,496.82
Transition - Buoy to Harbor	8,847	9.45	0.28	2.3	0.25	614.53
Harbor Transit/Maneuvering	8,847	7	0.11	5.8	0.83	842.04
Docking[5]	8,847	0	0.02	0	0.50	88.47
Hoteling[6]	8,847	0	0.00	0	168.00	-

Notes: (1) Port of Long Beach 2013 Emissions Inventory - Table B.3 (Starcrest 2014).

(2) Assumes 90% VSR compliance 10% at 13.5 kts. Speed from Port of San Diego 2006 Emissions Inventory - Table 2.2 (Starcrest 2008)

(3) Load factor = (speed/max speed)$^{3.}$ Load factor of 0.02 represents minimum load factor for propulsion engines. Max Speed of 14.4 kts.

(4) Distances from Port of San Diego 2006 Emissions Inventory - Figure 1.3 (Starcrest 2008). PZ distance from TAMT FEIR Volume 3 page 253

(5) Docking times based on Port of San Diego 2006 Air Emissions Inventory 2005 - pg.33 (Starcrest 2008)

(6) Assumes average of 7 days of hoteling per visit. No more than 4032 hours per year.

OGV Auxiliary Generator Usage per One-Way Transit

Activity	Auxiliary kW per Vessel [1]	Hours/ Transit	kW-Hrs/ Transit
Precautionary Zone - 24 nm Boundary to Buoy	313	1.79	559
Transition - Buoy to Harbor	313	0.25	77
Harbor Transit/Maneuvering	822	0.83	681
Docking	822	0.50	411
Hoteling	210	168.00	35,280

Notes: (1) Port of Long Beach 2016 Emissions Inventory - Table 2.1 (Starcrest 2017)

OGV Auxiliary Boiler Usage per One-Way Transit

Activity	Boiler kW per Vessel [1]	Hours/ Transit	kW-Hrs/ Transit
Precautionary Zone - 24 nm Boundary to Buoy	35	1.79	62
Transition - Buoy to Harbor	35	0.25	9
Harbor Transit/Maneuvering	94	0.83	78
Docking	94	0.50	47
Hoteling	125	168.00	21,000

Notes: (1) Port of Long Beach 2016 Emissions Inventory - Table 2.3 (Starcrest 2017)

Table C-5 Vessel Emission Factors

Emission Factors for OGV

Engine Type	Assumed Fuel Type	Assumed Fuel Use Application	PM10	Source
Main Propulsion Engine (g/kW-hr)				
OGV Main Engines	MGO (0.1% S)	All (CARB required)	0.32	(1,2)
Tugboat Main Engines				
(Medium Speed Diesel)	ULSD (15 ppm S)	2007+Tier 3	0.13	(3,4)
Auxiliary Engine (g/kW-hr)				
OGV Auxiliary Engines	MGO (0.1% S)	All (CARB required)	0.32	(5)
OGV Auxiliary Engines	MGO (0.1% S)	Mitigated per 50% cold iron	0.16	(2,5,6)
Tugboat Auxiliary Engines				
(High Speed Diesel)	ULSD (15 ppm S)	2007+Tier 3	0.19	(3,4)
Auxiliary Boiler (g/kW-hr)				
OGV Auxiliary Boilers	MGO (0.1% S)	All (current in-use fuel)	0.17	(2,7)

Notes: (1) Port of Long Beach Air Emissions Inventory - 2013 - Table 2.5. (Starcrest 2014)

(2) Port of Long Beach Air Emissions Inventory - 2013 - Table 2.6. (Starcrest 2014)

(3) Port of San Diego TAMT DEIR Volume 2 Page 298 Tioga and Scout tugs.

(4) Sulfur based on 15 ppm.

(5) Port of Long Beach Air Emissions Inventory - 2013 - Table 2.10, 2.11. (Starcrest 2014)

(6) Mitigation measure AQ-9 applie 50% cold ironing.

(7) Port of Long Beach Air Emissions Inventory - 2013 - Table 2.14, 2.15.. (Starcrest 2014)

Load Emission Factor Adjustments for OGV Main Propulsion Engines

Activity	Load Factor	PM10
Precautionary Zone	0.60	1.00
Precautionary Zone - Annual Average	0.60	1.00
Transition - Buoy to Harbor	0.28	1.00
Harbor Transit/Maneuvering	0.11	1.27
Docking	0.02	7.29
Hoteling	0.00	0.00

Notes: (1) Port of Long Beach Air Emissions Inventory - 2013 - Table 2.7. (Starcrest 2014)

Low-Load Emission Factor for OGV ME

Variable	PM10
Exponent	1.5
Intercept	0.2551
Coefficient	0.0059
Ref. EF @ 20% Load	0.321

Table C-6 Vessel Emissions (24 Trips)

Total Emissions - Combined with Cold Ironing

Project Scenario/Activity	PM10 (lb/yr)	PM10 (lb/hr)
Precautionary Zone - 24 nm Boundary to Buoy x2	341.6	3.99
Transition - Buoy to Harbor x2	23.6	2.00
Harbor Transit x2	60.6	1.52
Docking	18.3	1.53
Hoteling	487.6	0.12
Total Emissions	**931.6**	**9.15**

Total Emissions (lb/yr) - ME

Project Scenario/Activity	PM10 (lb/yr)	PM10 (lb/hr)
Precautionary Zone - 24 nm Boundary to Buoy x2	321.6	3.75
Transition - Buoy to Harbor x2	20.8	0.24
Harbor Transit x2	36.1	3.06
Docking	10.9	0.91
Hoteling	-	-
Total	**389.4**	**7.97**

Total Emissions (lb/yr) - AE with Cold Ironing

Project Scenario/Activity	PM10 (lb/yr)	PM10 (lb/hr)
Precautionary Zone - 24 nm Boundary to Buoy x2	18.9	0.22
Transition - Buoy to Harbor x2	2.6	0.22
Harbor Transit x2	23.1	0.58
Docking	7.0	0.58
Hoteling	298.7	0.07
Total	**350.2**	**1.68**

Total Emissions (lb/yr) - Boiler

Project Scenario/Activity	PM10 (lb/yr)	PM10 (lb/hr)
Precautionary Zone - 24 nm Boundary to Buoy x2	1.1	0.01
Transition - Buoy to Harbor x2	0.2	0.01
Harbor Transit x2	1.4	0.04
Docking	0.4	0.04
Hoteling	188.9	0.05
Total	**191.99**	**0.14**

Total Emissions (lb/yr) - Tugs

Project Scenario/Activity	PM10 (lb/yr)	PM10 (lb/hr)
Assist Tugs	12.0	0.04

Table C-7 Emission Summary for Sources

Annual Emissions (lb/yr)

Source ID	Group ID	Source Description	DPM	Arsenic	Cadmium	Chrome VI	Copper	Lead	Manganese	Nickel	Vanadium
1	5	Baghouse 1-1	1.69E-01	2.95E-02	1.02E-03	3.35E-02	1.32E-01	2.64E-02	2.77E-01	1.42E-02	3.20E-02
2	6	Baghouse 2-1	1.69E-01	2.95E-02	1.02E-03	3.35E-02	1.32E-01	2.64E-02	2.77E-01	1.42E-02	3.20E-02
3	20	Unloader	0.00E+00	1.23E-01	4.23E-03	1.39E-01	5.47E-01	1.10E-01	1.15E+00	5.92E-02	1.33E-01
4	9	TruckLoadout	5.75E-02	3.59E-03	1.24E-04	4.08E-03	1.60E-02	3.21E-03	3.37E-02	1.73E-03	3.89E-03
5	10	TruckLoadout	5.75E-02	3.59E-03	1.24E-04	4.08E-03	1.60E-02	3.21E-03	3.37E-02	1.73E-03	3.89E-03
6	7	Baghouse 1-2	1.69E-01	2.95E-02	1.02E-03	3.35E-02	1.32E-01	2.64E-02	2.77E-01	1.42E-02	3.20E-02
7	8	Baghouse 2-2	1.69E-01	2.95E-02	1.02E-03	3.35E-02	1.32E-01	2.64E-02	2.77E-01	1.42E-02	3.20E-02
8	13	trucksон28th	3.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	15	trucksonBostonAve	1.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	16	trucksonCrosby	3.43E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	17	trucks Harbor from exit to Chavez	2.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	18	truckonHarbor_btwnChavezandSampson	3.95E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	14	BayMarina	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	1	10-7 aux	1.49E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	3	10-8 aux	1.49E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	2	10-7 boiler	9.44E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	4	10-8 boiler	9.44E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	11	OGV path in-harbor - Prop + Aux	4.41E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	12	OGV path in-harbor - Boiler	3.10E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	19	Tug path in-harbor	1.20E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Hourly Emissions (lb/hr)

Source ID	Group ID	Source Description	DPM	Arsenic	Cadmium	Chrome VI	Copper	Lead	Manganese	Nickel	Vanadium
1	5	Baghouse 1-1	1.32E-04	1.64E-05	5.04E-07	1.86E-05	7.06E-05	1.59E-05	1.89E-04	5.17E-06	2.02E-05
2	6	Baghouse 2-1	1.32E-04	1.64E-05	5.04E-07	1.86E-05	7.06E-05	1.59E-05	1.89E-04	5.17E-06	2.02E-05
3	20	Unloader	0.00E+00	6.81E-05	2.10E-06	7.76E-05	2.94E-04	6.60E-05	7.86E-04	2.15E-05	8.39E-05
4	9	TruckLoadout	3.83E-05	5.36E-06	1.65E-07	6.10E-06	2.31E-05	5.19E-06	6.18E-05	1.69E-06	6.59E-06
5	10	TruckLoadout	3.83E-05	5.36E-06	1.65E-07	6.10E-06	2.31E-05	5.19E-06	6.18E-05	1.69E-06	6.59E-06
6	7	Baghouse 1-2	1.32E-04	1.64E-05	5.04E-07	1.86E-05	7.06E-05	1.59E-05	1.89E-04	5.17E-06	2.02E-05
7	8	Baghouse 2-2	1.32E-04	1.64E-05	5.04E-07	1.86E-05	7.06E-05	1.59E-05	1.89E-04	5.17E-06	2.02E-05
8	13	trucksон28th	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	15	trucksonBostonAve	7.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	16	trucksonCrosby	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	17	trucks Harbor from exit to Chavez	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	18	truckonHarbor_btwnChavezandSampson	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	14	BayMarina	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	1	10-7 aux	4.17E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	3	10-8 aux	4.17E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	2	10-7 boiler	4.68E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	4	10-8 boiler	4.68E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	11	OGV path in-harbor - Prop + Aux	3.97E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	12	OGV path in-harbor - Boiler	3.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	19	Tug path in-harbor	4.17E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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APPENDIX D

Receptor List

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X	Y	ELEV	HILL	GROUP
487479.5	3617251	8.96	8.96	residential
487504.5	3617251	8.97	8.97	residential
487529.5	3617251	8.97	8.97	residential
487554.5	3617251	8.97	8.97	residential
487579.5	3617251	8.97	8.97	residential
487604.5	3617251	8.97	8.97	residential
487629.5	3617251	8.97	8.97	residential
487654.5	3617251	8.97	8.97	residential
487679.5	3617251	8.97	8.97	residential
487704.5	3617251	8.97	8.97	residential
487729.5	3617251	8.97	8.97	residential
487754.5	3617251	8.97	8.97	residential
487779.5	3617251	8.97	8.97	residential
487804.5	3617251	8.97	8.97	residential
487829.5	3617251	9.08	9.08	residential
487854.5	3617251	9.24	9.24	residential
487479.5	3617270	9.38	9.38	residential
487504.5	3617270	9.38	9.38	residential
487529.5	3617270	9.38	9.38	residential
487554.5	3617270	9.38	9.38	residential
487579.5	3617270	9.38	9.38	residential
487604.5	3617270	9.39	9.39	residential
487629.5	3617270	9.39	9.39	residential
487654.5	3617270	9.39	9.39	residential
487679.5	3617270	9.39	9.39	residential
487704.5	3617270	9.39	9.39	residential
487729.5	3617270	9.39	9.39	residential
487754.5	3617270	9.39	9.39	residential
487779.5	3617270	9.39	9.39	residential
487804.5	3617270	9.39	9.39	residential
487829.5	3617270	9.45	9.45	residential
487854.5	3617270	9.55	9.55	residential
487479.5	3617289	9.8	9.8	residential
487504.5	3617289	9.8	9.8	residential
487529.5	3617289	9.8	9.8	residential
487554.5	3617289	9.8	9.8	residential
487579.5	3617289	9.8	9.8	residential
487604.5	3617289	9.8	9.8	residential
487629.5	3617289	9.8	9.8	residential
487654.5	3617289	9.8	9.8	residential
487679.5	3617289	9.81	9.81	residential
487704.5	3617289	9.81	9.81	residential
487729.5	3617289	9.81	9.81	residential
487754.5	3617289	9.81	9.81	residential
487779.5	3617289	9.81	9.81	residential
487804.5	3617289	9.81	9.81	residential

X	Y	ELEV	HILL	GROUP
487829.5	3617289	9.83	9.83	residential
487854.5	3617289	9.86	9.86	residential
487479.5	3617309	10.3	10.3	residential
487504.5	3617309	10.32	10.32	residential
487529.5	3617309	10.29	10.29	residential
487554.5	3617309	10.26	10.26	residential
487579.5	3617309	10.22	10.22	residential
487604.5	3617309	10.22	10.22	residential
487629.5	3617309	10.22	10.22	residential
487654.5	3617309	10.22	10.22	residential
487679.5	3617309	10.22	10.22	residential
487704.5	3617309	10.22	10.22	residential
487729.5	3617309	10.22	10.22	residential
487754.5	3617309	10.23	10.23	residential
487779.5	3617309	10.23	10.23	residential
487804.5	3617309	10.23	10.23	residential
487829.5	3617309	10.23	10.23	residential
487854.5	3617309	10.23	10.23	residential
487479.5	3617328	10.86	10.86	residential
487504.5	3617328	10.94	10.94	residential
487529.5	3617328	10.84	10.84	residential
487554.5	3617328	10.74	10.74	residential
487579.5	3617328	10.64	10.64	residential
487604.5	3617328	10.64	10.64	residential
487629.5	3617328	10.64	10.64	residential
487654.5	3617328	10.64	10.64	residential
487679.5	3617328	10.64	10.64	residential
487704.5	3617328	10.64	10.64	residential
487729.5	3617328	10.64	10.64	residential
487754.5	3617328	10.64	10.64	residential
487779.5	3617328	10.64	10.64	residential
487804.5	3617328	10.64	10.64	residential
487829.5	3617328	10.65	10.65	residential
487854.5	3617328	10.65	10.65	residential
487479.5	3617347	11.43	11.43	residential
487504.5	3617347	11.56	11.56	residential
487529.5	3617347	11.39	11.39	residential
487554.5	3617347	11.23	11.23	residential
487579.5	3617347	11.06	11.06	residential
487604.5	3617347	11.06	11.06	residential
487629.5	3617347	11.06	11.06	residential
487654.5	3617347	11.06	11.06	residential
487679.5	3617347	11.06	11.06	residential
487704.5	3617347	11.06	11.06	residential
487729.5	3617347	11.06	11.06	residential
487754.5	3617347	11.06	11.06	residential

X	Y	ELEV	HILL	GROUP
487779.5	3617347	11.06	11.06	residential
487804.5	3617347	11.06	11.06	residential
487829.5	3617347	11.06	11.06	residential
487854.5	3617347	11.06	11.06	residential
487474.3	3617363	11.86	11.86	residential
487492.8	3617363	12.02	12.02	residential
487511.3	3617363	12.02	12.02	residential
487529.8	3617363	11.85	11.85	residential
487548.3	3617363	11.69	11.69	residential
487566.8	3617363	11.52	11.52	residential
487585.3	3617363	11.4	11.4	residential
487603.8	3617363	11.4	11.4	residential
487622.3	3617363	11.41	11.41	residential
487640.8	3617363	11.41	11.41	residential
487474.3	3617382	12.39	12.39	residential
487492.8	3617382	12.6	12.6	residential
487511.3	3617382	12.59	12.59	residential
487529.8	3617382	12.38	12.38	residential
487548.3	3617382	12.17	12.17	residential
487566.8	3617382	11.96	11.96	residential
487585.3	3617382	11.8	11.8	residential
487603.8	3617382	11.81	11.81	residential
487622.3	3617382	11.81	11.81	residential
487640.8	3617382	11.81	11.81	residential
487474.3	3617400	12.89	12.89	residential
487492.8	3617400	13.1	13.1	residential
487511.3	3617400	13.09	13.09	residential
487529.8	3617400	12.88	12.88	residential
487548.3	3617400	12.67	12.67	residential
487566.8	3617400	12.46	12.46	residential
487585.3	3617400	12.3	12.3	residential
487474.3	3617419	13.36	13.36	residential
487492.8	3617419	13.52	13.52	residential
487511.3	3617419	13.52	13.52	residential
487473.6	3617435	13.77	13.77	residential
487656.4	3617366	11.47	11.47	residential
485919.6	3617746	1.74	1.74	recreational
485877.4	3617694	1.2	1.2	recreational
485958.4	3617628	1.55	1.55	recreational
485934.2	3617687	1.93	1.93	recreational
485836.6	3617642	0.9	0.9	recreational
485905.3	3617589	1.07	1.07	recreational
485955.6	3617717	2.1	2.1	recreational
486000.5	3617683	2.11	2.11	recreational
486422.2	3617812	8.17	8.17	residential
486474.2	3617772	7.96	7.96	residential

X	Y	ELEV	HILL	GROUP
486517.8	3617736	7.85	7.85	residential
486544.7	3617711	7.65	7.65	residential
486607.9	3617745	8.63	8.63	residential
486555.9	3617784	9.12	9.12	residential
486498.3	3617831	8.9	8.9	residential
486456.5	3617863	9.16	9.16	residential
487472.4	3617865	23.01	23.01	school
487557.2	3617865	24.1	24.1	school
487680.7	3617783	22.5	22.5	school
487845.5	3617783	22.1	22.1	school
489651	3613672	9.23	9.23	residential
489656.5	3613786	9.26	9.26	school
489687.6	3613796	9.92	9.92	school
485330.6	3615425	1	1	residential
485430.6	3615425	1	1	residential
485530.6	3615425	0.75	0.75	residential
485230.6	3615525	1	1	residential
485330.6	3615525	1	1	residential
485430.6	3615525	1	1	residential
485530.6	3615525	0.38	0.38	residential
485030.6	3615625	1	1	residential
485130.6	3615625	1	1	residential
485230.6	3615625	1	1	residential
485330.6	3615625	1	1	residential
485430.6	3615625	0.56	0.56	residential
485130.6	3615725	1	1	residential
485230.6	3615725	1	1	residential
485330.6	3615725	0.07	0.07	residential
485230.6	3615825	0	0	residential
489130.6	3615925	8.03	8.03	residential
489030.6	3616025	7.83	7.83	residential
489130.6	3616025	9.11	9.11	residential
488930.6	3616125	8.1	8.1	residential
489030.6	3616125	8.72	8.72	residential
489130.6	3616125	9.87	9.87	residential
488730.6	3616225	7.75	7.75	residential
488830.6	3616225	8.4	8.4	residential
488930.6	3616225	8.71	8.71	residential
489030.6	3616225	9.4	9.4	residential
489130.6	3616225	10.27	10.27	residential
488630.6	3616325	7.22	7.22	residential
488730.6	3616325	8.22	8.22	residential
488830.6	3616325	9.48	9.48	residential
488930.6	3616325	9.79	9.79	residential
489030.6	3616325	10.48	10.48	residential
489130.6	3616325	11.35	11.35	residential

X	Y	ELEV	HILL	GROUP
488530.6	3616425	7.1	7.1	residential
488630.6	3616425	8.02	8.02	residential
488730.6	3616425	9.31	9.31	residential
488830.6	3616425	10.01	10.01	residential
488930.6	3616425	10.7	10.7	residential
489030.6	3616425	11.33	11.33	residential
489130.6	3616425	12.43	12.43	residential
488330.6	3616525	5.62	5.62	residential
488430.6	3616525	6.58	6.58	residential
488530.6	3616525	7.82	7.82	residential
488630.6	3616525	8.81	8.81	residential
488730.6	3616525	9.74	9.74	residential
488830.6	3616525	10.67	10.67	residential
488930.6	3616525	11.65	11.65	residential
489030.6	3616525	12.23	12.23	residential
489130.6	3616525	12.95	12.95	residential
488230.6	3616625	5.06	5.06	residential
488330.6	3616625	6.34	6.34	residential
488430.6	3616625	7.62	7.62	residential
488530.6	3616625	8.18	8.18	residential
488630.6	3616625	9.33	9.33	residential
488730.6	3616625	10.47	10.47	residential
488830.6	3616625	11.73	11.73	residential
488930.6	3616625	12.22	12.22	residential
489030.6	3616625	13.31	13.31	residential
489130.6	3616625	13.73	13.73	residential
488130.6	3616725	4.81	4.81	residential
488230.6	3616725	5.34	5.34	residential
488330.6	3616725	6.62	6.62	residential
488430.6	3616725	7.9	7.9	residential
488530.6	3616725	8.99	8.99	residential
488630.6	3616725	10.27	10.27	residential
488730.6	3616725	10.95	10.95	residential
488830.6	3616725	12.02	12.02	residential
488930.6	3616725	12.87	12.87	residential
489030.6	3616725	13.58	13.58	residential
489130.6	3616725	14.7	14.7	residential
484530.6	3616825	1	1	recreational
484630.6	3616825	0.13	0.13	recreational
488030.6	3616825	4.97	4.97	residential
488130.6	3616825	5.88	5.88	residential
488230.6	3616825	6.22	6.22	residential
488330.6	3616825	7.5	7.5	residential
488430.6	3616825	8.79	8.79	residential
488530.6	3616825	10.07	10.07	residential
488630.6	3616825	10.94	10.94	residential

X	Y	ELEV	HILL	GROUP
484430.6	3616925	1	1	recreational
484530.6	3616925	1	1	recreational
487830.6	3616925	5.18	5.18	residential
487930.6	3616925	5.96	5.96	residential
488030.6	3616925	5.96	5.96	residential
488130.6	3616925	6.97	6.97	residential
488230.6	3616925	7.3	7.3	residential
488330.6	3616925	8.59	8.59	residential
488430.6	3616925	9.87	9.87	residential
488530.6	3616925	10.18	10.18	residential
489130.6	3616925	16	16	residential
484330.6	3617025	1	1	recreational
484430.6	3617025	1	1	recreational
484530.6	3617025	1	1	recreational
487730.6	3617025	4.98	4.98	residential
487830.6	3617025	6.25	6.25	residential
487930.6	3617025	7.02	7.02	residential
488030.6	3617025	7.01	7.01	residential
488130.6	3617025	7.1	7.1	residential
488230.6	3617025	8.34	8.34	residential
488330.6	3617025	9.03	9.03	residential
489030.6	3617025	16.03	16.03	residential
489130.6	3617025	16.92	16.92	residential
484130.6	3617125	1.14	1.14	residential
484230.6	3617125	1	1	recreational
484330.6	3617125	1	1	recreational
484430.6	3617125	1	1	recreational
484530.6	3617125	1	1	recreational
488330.6	3617125	9.75	9.75	residential
488430.6	3617125	11.03	11.03	residential
488630.6	3617125	13.06	13.06	residential
488830.6	3617125	15.15	15.15	residential
488930.6	3617125	16.04	16.04	residential
489030.6	3617125	16.72	16.72	residential
489130.6	3617125	17.88	17.88	residential
484030.6	3617225	1.43	1.43	residential
484130.6	3617225	1	1	residential
484230.6	3617225	1	1	recreational
484330.6	3617225	1	1	recreational
484430.6	3617225	1	1	recreational
484530.6	3617225	1	1	recreational
484630.6	3617225	0.75	0.75	recreational
487230.6	3617225	6.93	6.93	residential
487330.6	3617225	8.22	8.22	residential
487430.6	3617225	8.41	8.41	residential
488230.6	3617225	9.55	9.55	residential

X	Y	ELEV	HILL	GROUP
488330.6	3617225	10.7	10.7	residential
488430.6	3617225	11.89	11.89	residential
488830.6	3617225	16	16	residential
488930.6	3617225	16.52	16.52	residential
489030.6	3617225	17.67	17.67	residential
489130.6	3617225	18.19	18.19	residential
483830.6	3617325	2	2	residential
483930.6	3617325	1.93	1.93	residential
484030.6	3617325	1.33	1.33	residential
484130.6	3617325	1	1	residential
484230.6	3617325	1	1	residential
484330.6	3617325	1	1	recreational
484430.6	3617325	1	1	recreational
484530.6	3617325	0.77	0.77	recreational
484630.6	3617325	0.57	0.57	recreational
487030.6	3617325	6.23	6.23	residential
487130.6	3617325	7.6	7.6	residential
487230.6	3617325	9.1	9.1	residential
487330.6	3617325	10.38	10.38	residential
487430.6	3617325	10.6	10.6	residential
487930.6	3617325	10.44	10.44	residential
488030.6	3617325	10.29	10.29	residential
488130.6	3617325	9.61	9.61	residential
488230.6	3617325	10.33	10.33	residential
488330.6	3617325	11.18	11.18	residential
488830.6	3617325	16.32	16.32	residential
488930.6	3617325	17.51	17.51	residential
489030.6	3617325	18.18	18.18	residential
489130.6	3617325	19.16	19.16	residential
483630.6	3617425	2	2	residential
483730.6	3617425	2	2	residential
483830.6	3617425	2	2	residential
483930.6	3617425	1.49	1.49	residential
484030.6	3617425	1	1	residential
484130.6	3617425	1	1	residential
484230.6	3617425	1	1	residential
484330.6	3617425	1	1	recreational
484430.6	3617425	1	1	recreational
484530.6	3617425	0.04	0.04	residential
486930.6	3617425	6.16	6.16	residential
487030.6	3617425	7.68	7.68	residential
487130.6	3617425	9.13	9.13	residential
487230.6	3617425	11.09	11.09	residential
487330.6	3617425	12.54	12.54	residential
487430.6	3617425	13.16	13.16	residential
488430.6	3617425	12.93	12.93	residential

X	Y	ELEV	HILL	GROUP
488530.6	3617425	14.07	14.07	residential
488730.6	3617425	16.12	16.12	residential
488830.6	3617425	17.01	17.01	residential
488930.6	3617425	18.11	18.11	residential
489030.6	3617425	18.96	18.96	residential
489130.6	3617425	19.91	19.91	residential
483430.6	3617525	2.07	2.07	residential
483530.6	3617525	2	2	residential
483630.6	3617525	2	2	residential
483730.6	3617525	2	2	residential
483830.6	3617525	1.61	1.61	residential
483930.6	3617525	1	1	residential
484030.6	3617525	1	1	residential
484130.6	3617525	1	1	residential
484230.6	3617525	1	1	residential
484330.6	3617525	1	1	residential
484430.6	3617525	1	1	residential
486730.6	3617525	5.95	5.95	residential
486830.6	3617525	6.85	6.85	residential
486930.6	3617525	7.75	7.75	residential
487030.6	3617525	9.39	9.39	residential
487130.6	3617525	11.14	11.14	residential
487230.6	3617525	12.71	12.71	residential
487630.6	3617525	15.55	15.55	residential
487730.6	3617525	15.36	15.36	residential
487830.6	3617525	14.8	14.8	residential
487930.6	3617525	14.15	14.15	residential
488030.6	3617525	13.57	13.57	residential
488130.6	3617525	12.87	12.87	residential
488230.6	3617525	11.95	11.95	residential
488330.6	3617525	12.61	12.61	residential
488430.6	3617525	13.41	13.41	residential
488530.6	3617525	14.56	14.56	residential
488730.6	3617525	16.73	16.73	residential
488830.6	3617525	17.48	17.48	residential
488930.6	3617525	18.76	18.76	residential
489030.6	3617525	19.77	19.77	residential
489130.6	3617525	20.4	20.4	residential
483230.6	3617625	2.36	2.36	residential
483330.6	3617625	2	2	residential
483430.6	3617625	2	2	residential
483530.6	3617625	2	2	residential
483630.6	3617625	2	2	residential
483730.6	3617625	1.66	1.66	residential
483830.6	3617625	1	1	residential
483930.6	3617625	1	1	residential

X	Y	ELEV	HILL	GROUP
484030.6	3617625	1	1	residential
484130.6	3617625	1	1	residential
484230.6	3617625	1	1	residential
484330.6	3617625	1	1	residential
484430.6	3617625	0.67	0.67	residential
486630.6	3617625	6.45	6.45	residential
486730.6	3617625	7.59	7.59	residential
486830.6	3617625	8.24	8.24	residential
486930.6	3617625	9.21	9.21	residential
487030.6	3617625	11	11	residential
487130.6	3617625	12.9	12.9	residential
487430.6	3617625	18.11	18.11	residential
487530.6	3617625	18.6	18.6	residential
487630.6	3617625	18.61	18.61	residential
487730.6	3617625	18.61	18.61	residential
487830.6	3617625	17.51	17.51	residential
487930.6	3617625	16.59	16.59	residential
488030.6	3617625	15.32	15.32	residential
488130.6	3617625	14.5	14.5	residential
488230.6	3617625	13.39	13.39	residential
488330.6	3617625	13.37	13.37	residential
488430.6	3617625	13.95	13.95	residential
488530.6	3617625	15.09	15.09	residential
488630.6	3617625	16	16	residential
488730.6	3617625	17.28	17.28	residential
488830.6	3617625	18.56	18.56	residential
488930.6	3617625	19.29	19.29	residential
489030.6	3617625	20.31	20.31	residential
489130.6	3617625	21.4	21.4	residential
483030.6	3617725	2.45	2.45	residential
483130.6	3617725	2	2	residential
483230.6	3617725	2	2	residential
483330.6	3617725	2	2	residential
483430.6	3617725	2	2	residential
483530.6	3617725	1.91	1.91	residential
483630.6	3617725	1.44	1.44	residential
483730.6	3617725	1.13	1.13	residential
483830.6	3617725	1	1	residential
483930.6	3617725	1	1	residential
484030.6	3617725	1	1	residential
484130.6	3617725	1	1	residential
484230.6	3617725	1	1	residential
484330.6	3617725	0.77	0.77	residential
486330.6	3617725	5.2	5.2	Industrial
486530.6	3617725	7.77	7.77	residential
486630.6	3617725	8.21	8.21	residential

X	Y	ELEV	HILL	GROUP
486730.6	3617725	9.26	9.26	residential
486830.6	3617725	9.85	9.85	residential
486930.6	3617725	10.9	10.9	residential
487030.6	3617725	13.15	13.15	residential
487230.6	3617725	16.75	16.75	residential
487330.6	3617725	18.34	18.34	residential
487430.6	3617725	20.32	20.32	residential
487530.6	3617725	21.23	21.23	residential
487630.6	3617725	21.24	21.24	residential
487730.6	3617725	21.24	21.24	residential
487830.6	3617725	20.66	20.66	residential
487930.6	3617725	19.08	19.08	residential
488030.6	3617725	17.48	17.48	residential
488130.6	3617725	16.21	16.21	residential
488230.6	3617725	15.05	15.05	residential
488330.6	3617725	14.25	14.25	residential
488430.6	3617725	14.56	14.56	residential
488530.6	3617725	15.8	15.8	residential
488630.6	3617725	16.8	16.8	residential
488730.6	3617725	17.73	17.73	residential
488830.6	3617725	19	19	residential
488930.6	3617725	19.92	19.92	residential
489030.6	3617725	21.2	21.2	residential
489130.6	3617725	21.94	21.94	residential
482830.6	3617825	2.38	2.38	residential
482930.6	3617825	2.2	2.2	residential
483030.6	3617825	2	2	residential
483130.6	3617825	2	2	residential
483230.6	3617825	2	2	residential
483330.6	3617825	2	2	residential
483430.6	3617825	2	2	residential
483530.6	3617825	1.31	1.31	residential
483630.6	3617825	1	1	residential
483730.6	3617825	1	1	residential
483830.6	3617825	1	1	residential
483930.6	3617825	1	1	residential
484030.6	3617825	1	1	residential
484130.6	3617825	1	1	residential
484230.6	3617825	0.35	0.35	residential
486430.6	3617825	8.46	8.46	residential
486530.6	3617825	9.25	9.25	residential
486630.6	3617825	10.26	10.26	residential
486730.6	3617825	11.38	11.38	residential
486830.6	3617825	11.78	11.78	residential
486930.6	3617825	13.53	13.53	residential
487130.6	3617825	16.87	16.87	residential

X	Y	ELEV	HILL	GROUP
487230.6	3617825	18.91	18.91	residential
487330.6	3617825	20.2	20.2	residential
487430.6	3617825	21.78	21.78	residential
487530.6	3617825	22.95	22.95	school
487630.6	3617825	23.4	23.4	school
487730.6	3617825	23.4	23.4	school
487830.6	3617825	23.2	23.2	school
487930.6	3617825	21.78	21.78	residential
488030.6	3617825	19.82	19.82	residential
488130.6	3617825	18.37	18.37	school
488230.6	3617825	17.09	17.09	school
488330.6	3617825	15.82	15.82	residential
488430.6	3617825	15.05	15.05	residential
488530.6	3617825	16.16	16.16	residential
488630.6	3617825	17.32	17.32	residential
488730.6	3617825	18.44	18.44	residential
488830.6	3617825	19.72	19.72	residential
488930.6	3617825	21	21	residential
489030.6	3617825	21.88	21.88	residential
489130.6	3617825	22.61	22.61	residential
482830.6	3617925	2	2	residential
482930.6	3617925	2	2	residential
483030.6	3617925	2	2	residential
483130.6	3617925	2	2	residential
483230.6	3617925	2	2	residential
483330.6	3617925	1.58	1.58	residential
483430.6	3617925	1.28	1.28	residential
483530.6	3617925	1	1	residential
483630.6	3617925	1	1	residential
483730.6	3617925	1	1	residential
483830.6	3617925	1	1	residential
483930.6	3617925	1	1	residential
484030.6	3617925	1	1	residential
484130.6	3617925	0.39	0.39	residential
486330.6	3617925	8.76	8.76	residential
486430.6	3617925	9.98	9.98	residential
486530.6	3617925	11.09	11.09	residential
486630.6	3617925	12.38	12.38	residential
486730.6	3617925	13.54	13.54	residential
486830.6	3617925	14.25	14.25	residential
487030.6	3617925	18.25	18.25	residential
487130.6	3617925	19.62	19.62	residential
487230.6	3617925	21.08	21.08	residential
487330.6	3617925	22.98	22.98	residential
487430.6	3617925	24.42	24.42	residential
487530.6	3617925	25.71	25.71	school

X	Y	ELEV	HILL	GROUP
487630.6	3617925	26.35	26.35	school
487730.6	3617925	25.63	25.63	school
487830.6	3617925	25.53	25.53	school
487930.6	3617925	24.5	24.5	residential
488030.6	3617925	22.66	22.66	residential
488130.6	3617925	20.51	20.51	school
488230.6	3617925	18.47	18.47	school
488330.6	3617925	17.19	17.19	residential
488430.6	3617925	15.91	15.91	residential
488530.6	3617925	16.96	16.96	residential
488630.6	3617925	17.89	17.89	residential
488730.6	3617925	19.3	19.3	residential
488830.6	3617925	20.8	20.8	residential
488930.6	3617925	21.86	21.86	residential
489030.6	3617925	22.45	22.45	residential
489130.6	3617925	23.65	23.65	residential
482930.6	3618025	2	2	residential
483030.6	3618025	2	2	residential
483130.6	3618025	1.98	1.98	residential
483230.6	3618025	1.2	1.2	residential
483330.6	3618025	1.08	1.08	residential
483430.6	3618025	1	1	residential
483530.6	3618025	1	1	residential
483630.6	3618025	1	1	residential
483730.6	3618025	1	1	residential
483830.6	3618025	0.2	0.2	residential
483930.6	3618025	0.19	0.19	residential
486230.6	3618025	9.56	9.56	residential
486330.6	3618025	10.69	10.69	residential
486430.6	3618025	11.97	11.97	residential
486530.6	3618025	13.26	13.26	residential
486630.6	3618025	14.54	14.54	residential
486930.6	3618025	18.97	18.97	residential
487030.6	3618025	20.67	20.67	residential
487130.6	3618025	21.96	21.96	residential
487230.6	3618025	23.69	23.69	residential
487330.6	3618025	25.49	25.49	residential
487430.6	3618025	26.81	26.81	residential
487530.6	3618025	28.09	28.09	school
487630.6	3618025	28.73	28.73	school
487730.6	3618025	27.82	27.82	school
487830.6	3618025	27.56	27.56	school
487930.6	3618025	26.75	26.75	residential
488030.6	3618025	25.19	25.19	residential
488130.6	3618025	22.66	22.66	residential
488230.6	3618025	20.43	20.43	residential

X	Y	ELEV	HILL	GROUP
488330.6	3618025	19.15	19.15	residential
488430.6	3618025	17.87	17.87	residential
488530.6	3618025	17.16	17.16	residential
488630.6	3618025	18.39	18.39	residential
488730.6	3618025	19.69	19.69	residential
488830.6	3618025	21	21	residential
488930.6	3618025	22.25	22.25	residential
489030.6	3618025	23.45	23.45	residential
489130.6	3618025	24.73	24.73	residential
482930.6	3618125	1.59	1.59	residential
483030.6	3618125	1.12	1.12	residential
483130.6	3618125	1.12	1.12	residential
483230.6	3618125	1	1	residential
483330.6	3618125	1	1	residential
483430.6	3618125	1	1	residential
483530.6	3618125	0.87	0.87	residential
483630.6	3618125	0.11	0.11	residential
486030.6	3618125	9.86	9.86	school
486130.6	3618125	10.33	10.33	school
486230.6	3618125	11.57	11.57	residential
486330.6	3618125	12.85	12.85	residential
486430.6	3618125	13.88	13.88	residential
486530.6	3618125	14.49	14.49	residential
486830.6	3618125	19.64	19.64	residential
486930.6	3618125	21.53	21.53	residential
487030.6	3618125	22.84	22.84	residential
487130.6	3618125	24.12	24.12	residential
487230.6	3618125	25.92	25.92	residential
487330.6	3618125	27.69	27.69	residential
487430.6	3618125	28.97	28.97	residential
487530.6	3618125	29.91	29.91	school
487630.6	3618125	29.95	29.95	school
487730.6	3618125	29.9	29.9	school
487830.6	3618125	29.7	29.7	school
487930.6	3618125	28.45	28.45	residential
488030.6	3618125	27.16	27.16	residential
488130.6	3618125	24.83	24.83	residential
488230.6	3618125	22.59	22.59	residential
488330.6	3618125	20.74	20.74	residential
488430.6	3618125	19.08	19.08	residential
488530.6	3618125	18.12	18.12	residential
488630.6	3618125	19.4	19.4	residential
488730.6	3618125	20.68	20.68	residential
488830.6	3618125	21.96	21.96	residential
488930.6	3618125	23.25	23.25	residential
489030.6	3618125	24.53	24.53	residential

X	Y	ELEV	HILL	GROUP
489130.6	3618125	25.81	25.81	residential
483030.6	3618225	1	1	residential
483130.6	3618225	1	1	residential
483230.6	3618225	0.71	0.71	residential
483330.6	3618225	0.04	0.04	residential
485930.6	3618225	10.88	10.88	school
486030.6	3618225	11.17	11.17	school
486130.6	3618225	12.45	12.45	residential
486230.6	3618225	13.73	13.73	residential
486330.6	3618225	14.03	14.03	residential
486430.6	3618225	15.32	15.32	residential
486730.6	3618225	21.15	21.15	residential
486830.6	3618225	22.43	22.43	residential
486930.6	3618225	23.72	23.72	residential
487030.6	3618225	25	25	residential
487130.6	3618225	26.28	26.28	residential
487230.6	3618225	27.57	27.57	residential
487330.6	3618225	29.6	29.6	residential
487430.6	3618225	30.1	30.1	residential
487530.6	3618225	31	31	residential
487630.6	3618225	31	31	residential
487730.6	3618225	31	31	residential
487830.6	3618225	30.81	30.81	residential
487930.6	3618225	30.04	30.04	residential
488030.6	3618225	28.52	28.52	residential
488130.6	3618225	26.96	26.96	residential
488230.6	3618225	24.42	24.42	residential
488330.6	3618225	22.46	22.46	residential
488430.6	3618225	21.16	21.16	residential
488530.6	3618225	19.88	19.88	residential
488630.6	3618225	19.48	19.48	residential
488730.6	3618225	20.76	20.76	residential
488830.6	3618225	22.05	22.05	residential
488930.6	3618225	23.59	23.59	residential
489030.6	3618225	25.03	25.03	residential
483030.6	3618325	0.26	0.26	residential
483130.6	3618325	0	0	residential
486030.6	3618325	13.33	13.33	residential
486130.6	3618325	14.57	14.57	residential
486230.6	3618325	15.16	15.16	residential
486330.6	3618325	16.28	16.28	residential
486530.6	3618325	19.8	19.8	residential
486630.6	3618325	21.88	21.88	residential
486730.6	3618325	23.31	23.31	residential
486830.6	3618325	24.6	24.6	residential
486930.6	3618325	25.88	25.88	residential

X	Y	ELEV	HILL	GROUP
487030.6	3618325	27.06	27.06	residential
487130.6	3618325	28.34	28.34	residential
487230.6	3618325	29.57	29.57	residential
487330.6	3618325	30.09	30.09	residential
487430.6	3618325	31	31	residential
487530.6	3618325	31.04	31.04	residential
487630.6	3618325	31.11	31.11	residential
487730.6	3618325	31.11	31.11	residential
487830.6	3618325	31.12	31.12	residential
487930.6	3618325	31.06	31.06	residential
488030.6	3618325	29.58	29.58	residential
488130.6	3618325	28.05	28.05	residential
488230.6	3618325	25.81	25.81	residential
488330.6	3618325	23.93	23.93	residential
488430.6	3618325	22.25	22.25	residential
488530.6	3618325	20.97	20.97	residential
488630.6	3618325	20.51	20.51	residential
488730.6	3618325	21.72	21.72	residential
488830.6	3618325	23	23	residential
488930.6	3618325	24.41	24.41	residential
484630.6	3618425	0	0	recreational
484730.6	3618425	0	0	recreational
485030.6	3618425	1	1	recreational
484950.3	3618481	0.84	0.84	recreational
485930.6	3618425	14.21	14.21	residential
486030.6	3618425	15.49	15.49	residential
486130.6	3618425	16.35	16.35	residential
486230.6	3618425	17.19	17.19	residential
486430.6	3618425	20.68	20.68	residential
486530.6	3618425	22.54	22.54	residential
486630.6	3618425	24.19	24.19	residential
486730.6	3618425	25.48	25.48	residential
486830.6	3618425	26.69	26.69	residential
486930.6	3618425	27.86	27.86	residential
487030.6	3618425	28.19	28.19	residential
487130.6	3618425	29.38	29.38	residential
487230.6	3618425	30.1	30.1	residential
487330.6	3618425	30.98	30.98	residential
487430.6	3618425	31.19	31.19	residential
487530.6	3618425	31.48	31.48	residential
487630.6	3618425	32	32	residential
487730.6	3618425	32	32	residential
487830.6	3618425	32	32	residential
487930.6	3618425	31.62	31.62	residential
488030.6	3618425	30.45	30.45	residential
488130.6	3618425	29.14	29.14	residential

X	Y	ELEV	HILL	GROUP
488230.6	3618425	27.03	27.03	residential
488330.6	3618425	25.02	25.02	residential
488430.6	3618425	23.33	23.33	residential
488530.6	3618425	22.05	22.05	residential
488630.6	3618425	21.12	21.12	residential
488730.6	3618425	21.87	21.87	residential
488830.6	3618425	23.21	23.21	residential
484530.6	3618525	0	0	recreational
484630.6	3618525	0	0	recreational
484930.6	3618525	1	1	recreational
485030.6	3618525	1.08	1.08	recreational
485130.6	3618525	1.39	1.39	recreational
485830.6	3618525	15.09	15.09	Pond
485930.6	3618525	16.37	16.37	residential
486030.6	3618525	17.66	17.66	residential
486130.6	3618525	18.62	18.62	residential
486330.6	3618525	21.51	21.51	residential
486430.6	3618525	22.99	22.99	residential
486530.6	3618525	24.95	24.95	residential
486630.6	3618525	26.36	26.36	residential
486730.6	3618525	27.37	27.37	residential
486830.6	3618525	28.27	28.27	residential
486930.6	3618525	28.94	28.94	residential
487030.6	3618525	29.27	29.27	residential
487130.6	3618525	30.27	30.27	residential
487230.6	3618525	30.78	30.78	residential
487330.6	3618525	31.85	31.85	residential
487430.6	3618525	32.28	32.28	residential
487530.6	3618525	32.28	32.28	residential
487630.6	3618525	32.28	32.28	residential
487730.6	3618525	32.28	32.28	residential
487830.6	3618525	32.28	32.28	residential
487930.6	3618525	32.15	32.15	residential
488030.6	3618525	31.25	31.25	residential
488130.6	3618525	29.97	29.97	residential
488230.6	3618525	28.46	28.46	residential
488330.6	3618525	26.1	26.1	residential
488430.6	3618525	24.42	24.42	residential
488530.6	3618525	23.14	23.14	residential
488630.6	3618525	21.86	21.86	residential
488730.6	3618525	22.51	22.51	residential
484329.5	3618645	0	0	recreational
484433.8	3618609	0	0	recreational
484630.6	3618625	0.07	0.07	recreational
484730.6	3618625	0.66	0.66	recreational
484830.6	3618625	1	1	recreational

X	Y	ELEV	HILL	GROUP
484930.6	3618625	1.02	1.02	recreational
485030.6	3618625	1.66	1.66	recreational
485130.6	3618625	2.95	2.95	residential
485230.6	3618625	4.52	4.52	Street
485830.6	3618625	16.92	16.92	residential
485930.6	3618625	18.49	18.49	residential
486030.6	3618625	19.82	19.82	residential
486230.6	3618625	22.39	22.39	residential
486330.6	3618625	23.67	23.67	residential
486430.6	3618625	24.95	24.95	residential
486530.6	3618625	26.59	26.59	residential
486630.6	3618625	28.17	28.17	residential
486730.6	3618625	28.77	28.77	residential
486830.6	3618625	29.49	29.49	residential
486930.6	3618625	30.14	30.14	residential
487030.6	3618625	30.69	30.69	residential
487130.6	3618625	31.71	31.71	residential
487230.6	3618625	32.22	32.22	residential
487330.6	3618625	32.71	32.71	residential
487430.6	3618625	33.36	33.36	residential
487530.6	3618625	33.36	33.36	residential
487630.6	3618625	33.36	33.36	residential
487730.6	3618625	33.03	33.03	residential
487830.6	3618625	33	33	residential
487930.6	3618625	32.7	32.7	residential
488030.6	3618625	31.62	31.62	residential
488130.6	3618625	30.34	30.34	residential
488230.6	3618625	29.06	29.06	residential
488330.6	3618625	27.19	27.19	residential
488430.6	3618625	25.5	25.5	residential
488530.6	3618625	24.22	24.22	residential
488630.6	3618625	22.94	22.94	residential
484230.6	3618725	0	0	recreational
484330.6	3618725	0	0	recreational
484630.6	3618725	0.53	0.53	recreational
484730.6	3618725	1	1	recreational
484830.6	3618725	1	1	recreational
484930.6	3618725	1.87	1.87	recreational
485030.6	3618725	3.15	3.15	residential
485130.6	3618725	4.43	4.43	residential
485230.6	3618725	6.25	6.25	residential
485330.6	3618725	8.18	8.18	residential
485830.6	3618725	18	18	residential
485930.6	3618725	20.14	20.14	residential
486030.6	3618725	21.56	21.56	residential
486230.6	3618725	24.42	24.42	residential

X	Y	ELEV	HILL	GROUP
486330.6	3618725	25.83	25.83	residential
486430.6	3618725	27.12	27.12	residential
486530.6	3618725	28.4	28.4	residential
486630.6	3618725	29.68	29.68	residential
486730.6	3618725	30.48	30.48	residential
486830.6	3618725	31.08	31.08	residential
486930.6	3618725	31.72	31.72	residential
487030.6	3618725	32.82	32.82	residential
487130.6	3618725	33.54	33.54	residential
487230.6	3618725	34.38	34.38	residential
487330.6	3618725	34.53	34.53	residential
487430.6	3618725	34.44	34.44	residential
487530.6	3618725	34.44	34.44	residential
487630.6	3618725	34.16	34.16	residential
487730.6	3618725	33.5	33.5	residential
487830.6	3618725	33.45	33.45	residential
487930.6	3618725	33.24	33.24	residential
488030.6	3618725	32.59	32.59	residential
488130.6	3618725	31.42	31.42	residential
488230.6	3618725	30	30	residential
488330.6	3618725	28.09	28.09	residential
488430.6	3618725	26.58	26.58	residential
488530.6	3618725	25.3	25.3	residential
484130.6	3618825	0	0	recreational
484530.6	3618825	0.97	0.97	recreational
484630.6	3618825	1	1	recreational
484730.6	3618825	1.24	1.24	recreational
484830.6	3618825	1.86	1.86	residential
484930.6	3618825	4.03	4.03	residential
485030.6	3618825	5.31	5.31	residential
485130.6	3618825	6.6	6.6	residential
485230.6	3618825	7.88	7.88	residential
485330.6	3618825	9.85	9.85	residential
485430.6	3618825	12.18	12.18	residential
485830.6	3618825	19.08	19.08	residential
485930.6	3618825	20.79	20.79	residential
486030.6	3618825	22.21	22.21	residential
486230.6	3618825	25.91	25.91	residential
486330.6	3618825	27.49	27.49	residential
486430.6	3618825	28.77	28.77	residential
486530.6	3618825	30.05	30.05	residential
486630.6	3618825	31.33	31.33	residential
486730.6	3618825	31.62	31.62	residential
486830.6	3618825	32.71	32.71	residential
486930.6	3618825	33.35	33.35	residential
487030.6	3618825	34.46	34.46	residential

X	Y	ELEV	HILL	GROUP
487130.6	3618825	35.26	35.26	residential
487230.6	3618825	36.28	36.28	residential
487330.6	3618825	36.56	36.56	residential
487430.6	3618825	36.01	36.01	residential
487530.6	3618825	35.52	35.52	residential
487630.6	3618825	35.23	35.23	residential
487730.6	3618825	34.58	34.58	residential
487830.6	3618825	34.53	34.53	residential
487930.6	3618825	34.06	34.06	residential
488030.6	3618825	33.13	33.13	residential
488130.6	3618825	31.97	31.97	residential
488230.6	3618825	30.55	30.55	residential
488330.6	3618825	28.95	28.95	residential
488430.6	3618825	27.67	27.67	residential
477630.6	3618925	13.89	62	residential
477730.6	3618925	3.48	62	residential
484030.6	3618925	0.55	0.55	recreational
484130.6	3618925	0.55	0.55	recreational
484430.6	3618925	1	1	recreational
484530.6	3618925	1	1	recreational
484630.6	3618925	1.24	1.24	recreational
484730.6	3618925	2.62	2.62	residential
484830.6	3618925	3.91	3.91	residential
484930.6	3618925	5.65	5.65	residential
485030.6	3618925	7.47	7.47	residential
485130.6	3618925	8.76	8.76	residential
485230.6	3618925	10.04	10.04	residential
485330.6	3618925	11.5	11.5	residential
485430.6	3618925	13.8	13.8	residential
485530.6	3618925	15.74	15.74	residential
485830.6	3618925	20.16	20.16	residential
485930.6	3618925	21.44	21.44	residential
486030.6	3618925	22.78	22.78	residential
486230.6	3618925	26.58	26.58	residential
486330.6	3618925	28.56	28.56	residential
486430.6	3618925	29.85	29.85	residential
486530.6	3618925	31.13	31.13	residential
486630.6	3618925	31.93	31.93	residential
486730.6	3618925	32.7	32.7	residential
486830.6	3618925	33.98	33.98	residential
486930.6	3618925	35	35	residential
487030.6	3618925	36.14	36.14	residential
487130.6	3618925	36.82	36.82	residential
487230.6	3618925	37.91	37.91	residential
487330.6	3618925	38.52	38.52	residential
487430.6	3618925	38.15	38.15	residential

X	Y	ELEV	HILL	GROUP
487530.6	3618925	37.21	37.21	residential
487630.6	3618925	36.84	36.84	residential
487730.6	3618925	35.7	35.7	residential
487830.6	3618925	35.61	35.61	residential
487930.6	3618925	35.15	35.15	residential
488030.6	3618925	33.87	33.87	residential
488130.6	3618925	32.59	32.59	residential
488230.6	3618925	31.12	31.12	residential
488330.6	3618925	29.41	29.41	residential
477030.6	3619025	63.14	63.14	residential
477130.6	3619025	61.91	61.91	residential
477230.6	3619025	59.64	59.64	residential
477330.6	3619025	50.06	58	residential
477430.6	3619025	37.78	62	residential
477530.6	3619025	26.41	62	residential
477630.6	3619025	15.53	62	residential
477730.6	3619025	4.65	62	residential
478030.6	3619025	0.71	0.71	recreational
478130.6	3619025	1	1	recreational
478230.6	3619025	0.52	0.52	recreational
483930.6	3619025	0.72	0.72	recreational
484030.6	3619025	1	1	recreational
484130.6	3619025	1	1	recreational
484230.6	3619025	1	1	recreational
484330.6	3619025	1	1	recreational
484430.6	3619025	1.42	1.42	recreational
484530.6	3619025	2.24	2.24	residential
484630.6	3619025	3.22	3.22	residential
484730.6	3619025	4.79	4.79	residential
484830.6	3619025	6.07	6.07	residential
484930.6	3619025	7.37	7.37	residential
485030.6	3619025	9.2	9.2	residential
485130.6	3619025	10.92	10.92	residential
485230.6	3619025	12.21	12.21	residential
485330.6	3619025	13.66	13.66	residential
485430.6	3619025	15.77	15.77	residential
485530.6	3619025	17.31	17.31	residential
485630.6	3619025	18.68	18.68	residential
485730.6	3619025	19.96	19.96	residential
485830.6	3619025	21.24	21.24	residential
485930.6	3619025	22.52	22.52	residential
486030.6	3619025	23.9	23.9	residential
486230.6	3619025	27.37	27.37	residential
486330.6	3619025	29.63	29.63	residential
486430.6	3619025	30.93	30.93	residential
486530.6	3619025	32.21	32.21	residential

X	Y	ELEV	HILL	GROUP
486630.6	3619025	32.68	32.68	residential
486730.6	3619025	33.85	33.85	residential
486830.6	3619025	35.74	35.74	residential
486930.6	3619025	36.57	36.57	residential
487030.6	3619025	37.62	37.62	residential
487130.6	3619025	38.59	38.59	residential
487230.6	3619025	39.87	39.87	residential
487330.6	3619025	40.37	40.37	residential
487430.6	3619025	40.36	40.36	residential
487530.6	3619025	39.83	39.83	residential
487630.6	3619025	38.76	38.76	residential
487730.6	3619025	37.48	37.48	residential
487830.6	3619025	37.26	37.26	residential
487930.6	3619025	36.55	36.55	residential
488030.6	3619025	35.65	35.65	residential
488130.6	3619025	33.67	33.67	residential
488230.6	3619025	32.3	32.3	residential
477030.6	3619125	63.71	63.71	residential
477130.6	3619125	62.47	62.47	residential
477230.6	3619125	60.16	60.16	residential
477330.6	3619125	52.73	52.73	residential
477430.6	3619125	40.53	58	residential
477530.6	3619125	28.62	61	residential
477630.6	3619125	17.76	62	residential
477730.6	3619125	6.41	62	residential
478230.6	3619125	1	1	recreational
478330.6	3619125	0.78	0.78	recreational
483830.6	3619125	0.69	0.69	recreational
483930.6	3619125	1	1	recreational
484030.6	3619125	1	1	recreational
484130.6	3619125	1	1	recreational
484230.6	3619125	1.72	1.72	recreational
484330.6	3619125	1.99	1.99	recreational
484430.6	3619125	3.1	3.1	residential
484530.6	3619125	4.38	4.38	residential
484630.6	3619125	5.67	5.67	residential
484730.6	3619125	6.95	6.95	residential
484830.6	3619125	8.23	8.23	residential
484930.6	3619125	9.52	9.52	residential
485030.6	3619125	11.13	11.13	residential
485130.6	3619125	13.08	13.08	residential
485230.6	3619125	14.37	14.37	residential
485330.6	3619125	15.7	15.7	residential
485430.6	3619125	17.53	17.53	residential
485530.6	3619125	19.22	19.22	residential
485630.6	3619125	20.5	20.5	residential

X	Y	ELEV	HILL	GROUP
485730.6	3619125	21.79	21.79	residential
485830.6	3619125	23.07	23.07	residential
485930.6	3619125	24.35	24.35	residential
486030.6	3619125	25.67	25.67	residential
486230.6	3619125	28.45	28.45	residential
486330.6	3619125	29.97	29.97	residential
486430.6	3619125	31.26	31.26	residential
486530.6	3619125	32.54	32.54	residential
486630.6	3619125	33.62	33.62	residential
486730.6	3619125	34.96	34.96	residential
486830.6	3619125	37.14	37.14	residential
486930.6	3619125	38.27	38.27	residential
487030.6	3619125	39.47	39.47	residential
487130.6	3619125	40.58	40.58	residential
487230.6	3619125	41.27	41.27	residential
487330.6	3619125	42.37	42.37	residential
487430.6	3619125	42.54	42.54	residential
487530.6	3619125	42.47	42.47	residential
487630.6	3619125	41.7	41.7	residential
487730.6	3619125	40.42	40.42	residential
487830.6	3619125	40.15	40.15	residential
487930.6	3619125	38.97	38.97	residential
488030.6	3619125	37.24	37.24	residential
488130.6	3619125	35.54	35.54	residential
476730.6	3619225	68.94	68.94	residential
476830.6	3619225	67.55	67.55	residential
476930.6	3619225	65.63	65.63	residential
477030.6	3619225	64.1	64.1	residential
477130.6	3619225	62.82	62.82	residential
477230.6	3619225	61.07	61.07	residential
477330.6	3619225	55.8	55.8	residential
477430.6	3619225	43.81	61	residential
477530.6	3619225	31.87	62	residential
477630.6	3619225	20.12	62	residential
477730.6	3619225	8.6	62	residential
478330.6	3619225	1	1	recreational
478430.6	3619225	0.74	0.74	recreational
483830.6	3619225	0.99	0.99	recreational
483930.6	3619225	1	1	recreational
484030.6	3619225	1.42	1.42	recreational
484130.6	3619225	2.45	2.45	recreational
484230.6	3619225	3.68	3.68	residential
484330.6	3619225	4.49	4.49	residential
484430.6	3619225	5.26	5.26	residential
484530.6	3619225	6.55	6.55	residential
484630.6	3619225	8	8	residential

X	Y	ELEV	HILL	GROUP
484730.6	3619225	9.93	9.93	residential
484830.6	3619225	11.21	11.21	residential
484930.6	3619225	12.5	12.5	residential
485030.6	3619225	13.84	13.84	residential
485130.6	3619225	15.25	15.25	residential
485230.6	3619225	16.53	16.53	residential
485330.6	3619225	17.96	17.96	residential
485430.6	3619225	20	20	residential
485530.6	3619225	21.99	21.99	residential
485630.6	3619225	23.48	23.48	residential
485730.6	3619225	23.95	23.95	residential
485830.6	3619225	24.76	24.76	residential
485930.6	3619225	25.68	25.68	residential
486030.6	3619225	26.97	26.97	residential
486230.6	3619225	28.95	28.95	residential
486330.6	3619225	29.97	29.97	residential
486430.6	3619225	32.09	32.09	residential
486530.6	3619225	33.38	33.38	residential
486630.6	3619225	34.66	34.66	residential
486730.6	3619225	36.04	36.04	residential
486830.6	3619225	38.22	38.22	residential
486930.6	3619225	39.5	39.5	residential
487030.6	3619225	40.79	40.79	residential
487130.6	3619225	42.03	42.03	residential
487230.6	3619225	43.2	43.2	residential
487330.6	3619225	44.48	44.48	residential
487430.6	3619225	44.71	44.71	residential
487530.6	3619225	44.71	44.71	residential
487630.6	3619225	44.62	44.62	residential
487730.6	3619225	43.67	43.67	residential
487830.6	3619225	43.4	43.4	residential
487930.6	3619225	41.72	41.72	residential
488030.6	3619225	39.24	39.24	residential
476730.6	3619325	68.95	68.95	residential
476830.6	3619325	67.67	67.67	residential
476930.6	3619325	66.22	66.22	residential
477030.6	3619325	64.18	64.18	residential
477130.6	3619325	62.83	62.83	residential
477230.6	3619325	61.88	61.88	residential
477330.6	3619325	60.06	60.06	residential
477430.6	3619325	50.04	61	residential
477530.6	3619325	36.03	62	residential
477630.6	3619325	23.38	62	residential
477730.6	3619325	10.9	62	residential
477830.6	3619325	0.65	62	recreational
478430.6	3619325	1	1	recreational

X	Y	ELEV	HILL	GROUP
478530.6	3619325	0.77	0.77	recreational
478630.6	3619325	0.48	0.48	recreational
483530.6	3619325	0.11	0.11	recreational
483830.6	3619325	1	1	recreational
483930.6	3619325	1.21	1.21	recreational
484030.6	3619325	2.87	2.87	residential
484130.6	3619325	4.57	4.57	residential
484230.6	3619325	5.86	5.86	residential
484330.6	3619325	7.1	7.1	residential
484430.6	3619325	8.31	8.31	residential
484530.6	3619325	9.6	9.6	residential
484630.6	3619325	10.91	10.91	residential
484730.6	3619325	12.28	12.28	residential
484830.6	3619325	13.56	13.56	residential
484930.6	3619325	14.84	14.84	residential
485030.6	3619325	16.13	16.13	residential
485130.6	3619325	17.41	17.41	residential
485230.6	3619325	18.69	18.69	residential
485330.6	3619325	20.15	20.15	residential
485430.6	3619325	22.67	22.67	residential
485530.6	3619325	24.52	24.52	residential
485630.6	3619325	25.82	25.82	residential
485730.6	3619325	26.11	26.11	residential
485830.6	3619325	26.82	26.82	residential
485930.6	3619325	26.9	26.9	residential
486030.6	3619325	28.05	28.05	residential
486230.6	3619325	29.64	29.64	residential
486330.6	3619325	30	30	residential
486430.6	3619325	32.25	32.25	residential
486530.6	3619325	34.03	34.03	residential
486630.6	3619325	35.74	35.74	residential
486730.6	3619325	37.12	37.12	residential
486830.6	3619325	39.3	39.3	residential
486930.6	3619325	41.19	41.19	residential
487030.6	3619325	42.8	42.8	residential
487130.6	3619325	44.08	44.08	residential
487230.6	3619325	45.36	45.36	residential
487330.6	3619325	46.65	46.65	residential
487430.6	3619325	46.87	46.87	residential
487530.6	3619325	46.87	46.87	residential
487630.6	3619325	46.88	46.88	residential
487730.6	3619325	46.83	46.83	residential
487830.6	3619325	46.64	46.64	residential
487930.6	3619325	44.91	44.91	residential
476730.6	3619425	68.99	68.99	residential
476830.6	3619425	68.21	68.21	residential

X	Y	ELEV	HILL	GROUP
476930.6	3619425	66.39	66.39	residential
477030.6	3619425	64.95	64.95	residential
477130.6	3619425	63.65	63.65	residential
477230.6	3619425	62.45	62.45	residential
477330.6	3619425	61.27	61.27	residential
477430.6	3619425	55.2	55.2	residential
477530.6	3619425	43.22	60	residential
477630.6	3619425	29.26	61	residential
477730.6	3619425	16.47	62	residential
477830.6	3619425	3.88	62	recreational
478530.6	3619425	1	1	recreational
478630.6	3619425	0.95	0.95	recreational
483530.6	3619425	0.12	0.12	recreational
483630.6	3619425	1	1	recreational
483730.6	3619425	1	1	recreational
483830.6	3619425	1.92	1.92	recreational
483930.6	3619425	2.2	2.2	recreational
484030.6	3619425	4.01	4.01	residential
484130.6	3619425	5.77	5.77	residential
484230.6	3619425	7.13	7.13	residential
484330.6	3619425	9.66	9.66	residential
484430.6	3619425	10.93	10.93	residential
484530.6	3619425	12.77	12.77	residential
484630.6	3619425	14.13	14.13	residential
484730.6	3619425	15.42	15.42	residential
484830.6	3619425	15.95	15.95	residential
484930.6	3619425	17.01	17.01	residential
485030.6	3619425	18.29	18.29	residential
485130.6	3619425	19.57	19.57	residential
485230.6	3619425	20.86	20.86	residential
485330.6	3619425	23.13	23.13	residential
485430.6	3619425	24.87	24.87	residential
485530.6	3619425	26.71	26.71	residential
485630.6	3619425	27	27	residential
485730.6	3619425	27.99	27.99	residential
485830.6	3619425	27.99	27.99	residential
485930.6	3619425	28	28	residential
486030.6	3619425	29	29	residential
486230.6	3619425	30	30	residential
486330.6	3619425	30.97	30.97	residential
486430.6	3619425	32.51	32.51	residential
486530.6	3619425	34.54	34.54	residential
486630.6	3619425	36.63	36.63	residential
486730.6	3619425	39.19	39.19	residential
486830.6	3619425	41.39	41.39	residential
486930.6	3619425	42.68	42.68	residential

X	Y	ELEV	HILL	GROUP
487030.6	3619425	44.89	44.89	residential
487130.6	3619425	46.24	46.24	residential
487230.6	3619425	47.53	47.53	residential
487330.6	3619425	48.83	48.83	residential
487430.6	3619425	49.98	49.98	residential
487530.6	3619425	49.06	49.06	residential
487630.6	3619425	49.06	49.06	residential
487730.6	3619425	49.05	49.05	residential
487830.6	3619425	49.07	49.07	residential
476730.6	3619525	68.96	68.96	residential
476830.6	3619525	67.74	67.74	residential
476930.6	3619525	66.39	66.39	residential
477030.6	3619525	65.11	65.11	residential
477130.6	3619525	63.83	63.83	residential
477230.6	3619525	62.55	62.55	residential
477330.6	3619525	61.27	61.27	residential
477430.6	3619525	59.57	59.57	residential
477530.6	3619525	50.4	53	residential
477630.6	3619525	37.87	61	residential
477730.6	3619525	23.13	62	residential
477830.6	3619525	9.38	62	recreational
477930.6	3619525	1.51	62	recreational
478630.6	3619525	1	1	recreational
478730.6	3619525	0.96	0.96	recreational
483830.6	3619525	1.92	1.92	recreational
483930.6	3619525	3.24	3.24	recreational
484030.6	3619525	4.54	4.54	residential
484130.6	3619525	6.61	6.61	residential
484230.6	3619525	8.21	8.21	residential
484330.6	3619525	10.75	10.75	residential
484430.6	3619525	12.68	12.68	residential
484530.6	3619525	14.85	14.85	residential
484630.6	3619525	16.26	16.26	residential
484730.6	3619525	18.02	18.02	residential
484830.6	3619525	19.11	19.11	residential
484930.6	3619525	20.23	20.23	residential
485030.6	3619525	21.52	21.52	residential
485130.6	3619525	22.8	22.8	residential
485230.6	3619525	24.09	24.09	residential
485330.6	3619525	25.53	25.53	residential
485430.6	3619525	27.59	27.59	residential
485530.6	3619525	28.82	28.82	residential
485630.6	3619525	29.07	29.07	residential
485730.6	3619525	29.08	29.08	residential
485830.6	3619525	29.08	29.08	residential
485930.6	3619525	29.08	29.08	residential

X	Y	ELEV	HILL	GROUP
486030.6	3619525	29.2	29.2	residential
486130.6	3619525	30	30	residential
487730.6	3619525	51.41	51.41	residential
476730.6	3619625	68.96	68.96	residential
476830.6	3619625	67.68	67.68	residential
476930.6	3619625	66.4	66.4	residential
477030.6	3619625	65.12	65.12	residential
477130.6	3619625	63.83	63.83	residential
477230.6	3619625	62.55	62.55	residential
477330.6	3619625	61.99	61.99	residential
477430.6	3619625	60.97	60.97	residential
477530.6	3619625	56.82	56.82	residential
477630.6	3619625	45.46	61	residential
477730.6	3619625	27.12	62	residential
477830.6	3619625	9.72	62	recreational
477930.6	3619625	1	62	recreational
478030.6	3619625	0.99	62	recreational
478730.6	3619625	0.99	0.99	recreational
478830.6	3619625	1	1	recreational
483830.6	3619625	1	1	recreational
483930.6	3619625	3.27	3.27	recreational
484030.6	3619625	5.1	5.1	residential
484130.6	3619625	6.9	6.9	residential
484230.6	3619625	9.28	9.28	residential
484330.6	3619625	11.41	11.41	residential
484430.6	3619625	13.42	13.42	residential
484530.6	3619625	15.06	15.06	residential
484630.6	3619625	17.34	17.34	residential
484730.6	3619625	19.03	19.03	residential
484830.6	3619625	20.87	20.87	residential
484930.6	3619625	23.05	23.05	residential
485030.6	3619625	24.47	24.47	residential
485130.6	3619625	25.75	25.75	residential
485230.6	3619625	27.17	27.17	residential
485330.6	3619625	28.44	28.44	residential
485430.6	3619625	29.53	29.53	residential
485530.6	3619625	30.11	30.11	residential
485630.6	3619625	30.16	30.16	residential
485730.6	3619625	30.16	30.16	residential
485830.6	3619625	30.07	30.07	residential
485930.6	3619625	30	30	residential
486030.6	3619625	30	30	residential
486130.6	3619625	30.07	30.07	residential
487630.6	3619625	54.76	54.76	residential
476730.6	3619725	68	68	residential
476830.6	3619725	67.68	67.68	residential

X	Y	ELEV	HILL	GROUP
476930.6	3619725	66.4	66.4	residential
477030.6	3619725	65.12	65.12	residential
477130.6	3619725	64.06	64.06	residential
477230.6	3619725	63.56	63.56	residential
477330.6	3619725	62.28	62.28	residential
477430.6	3619725	62	62	residential
477530.6	3619725	61	61	residential
477630.6	3619725	53.54	61	residential
477730.6	3619725	33.24	62	residential
477830.6	3619725	12.04	62	recreational
478130.6	3619725	0	61	recreational
478830.6	3619725	0.89	0.89	recreational
478930.6	3619725	1	1	recreational
479030.6	3619725	0.56	0.56	recreational
483830.6	3619725	1	1	recreational
483930.6	3619725	3.47	3.47	recreational
484030.6	3619725	5.62	5.62	residential
484130.6	3619725	7.81	7.81	residential
484230.6	3619725	10.09	10.09	residential
484330.6	3619725	11.93	11.93	residential
484430.6	3619725	14.35	14.35	residential
484530.6	3619725	16.12	16.12	residential
484630.6	3619725	18.42	18.42	residential
484730.6	3619725	19.7	19.7	residential
484830.6	3619725	21.57	21.57	residential
484930.6	3619725	23.3	23.3	residential
485030.6	3619725	25.39	25.39	residential
485130.6	3619725	26.83	26.83	residential
485230.6	3619725	28.79	28.79	residential
485330.6	3619725	30	30	residential
485430.6	3619725	30.1	30.1	residential
485530.6	3619725	30.79	30.79	residential
485630.6	3619725	31.24	31.24	residential
485730.6	3619725	31.24	31.24	residential
485830.6	3619725	30.82	30.82	residential
485930.6	3619725	30.49	30.49	residential
486030.6	3619725	30.25	30.25	residential
476730.6	3619825	67.87	67.87	residential
476830.6	3619825	67.68	67.68	residential
476930.6	3619825	66.4	66.4	residential
477030.6	3619825	65.12	65.12	residential
477130.6	3619825	64.84	64.84	residential
477230.6	3619825	63.56	63.56	residential
477330.6	3619825	62.28	62.28	residential
477430.6	3619825	62	62	residential
477530.6	3619825	61.11	61.11	residential

X	Y	ELEV	HILL	GROUP
477630.6	3619825	59.12	59.12	residential
477730.6	3619825	41.36	61	residential
477830.6	3619825	19.24	62	residential
477930.6	3619825	3.5	62	recreational
478930.6	3619825	0.85	0.85	recreational
479030.6	3619825	1	1	recreational
479130.6	3619825	0.38	0.38	recreational
483830.6	3619825	1	1	recreational
483930.6	3619825	3.46	3.46	recreational
484030.6	3619825	6.03	6.03	residential
484130.6	3619825	8.59	8.59	residential
484230.6	3619825	10.45	10.45	residential
484330.6	3619825	12.9	12.9	residential
484430.6	3619825	14.83	14.83	residential
484530.6	3619825	17.13	17.13	residential
484630.6	3619825	19.26	19.26	residential
484730.6	3619825	20.78	20.78	residential
484830.6	3619825	22.07	22.07	residential
484930.6	3619825	24.05	24.05	residential
485030.6	3619825	25.85	25.85	residential
485130.6	3619825	27.79	27.79	residential
485230.6	3619825	29.19	29.19	residential
485330.6	3619825	30.05	30.05	residential
485430.6	3619825	30.62	30.62	residential
485530.6	3619825	31.23	31.23	residential
485630.6	3619825	32	32	residential
485730.6	3619825	32.32	32.32	residential
485830.6	3619825	32.32	32.32	residential
485930.6	3619825	32.33	32.33	residential
486030.6	3619825	31.66	31.66	residential
476730.6	3619925	67.03	67.03	residential
476830.6	3619925	67.68	67.68	residential
476930.6	3619925	66.4	66.4	residential
477030.6	3619925	65.12	65.12	residential
477130.6	3619925	64.84	64.84	residential
477230.6	3619925	63.56	63.56	residential
477330.6	3619925	62.28	62.28	residential
477430.6	3619925	62	62	residential
477530.6	3619925	61.72	61.72	residential
477630.6	3619925	61	61	residential
477730.6	3619925	49.02	61	residential
477830.6	3619925	27.59	62	residential
477930.6	3619925	11.31	62	recreational
479030.6	3619925	1	1	recreational
479130.6	3619925	1	1	recreational
479230.6	3619925	0.27	0.27	recreational

X	Y	ELEV	HILL	GROUP
483530.6	3619925	0.37	0.37	recreational
483630.6	3619925	0.37	0.37	recreational
483730.6	3619925	0.79	0.79	recreational
483830.6	3619925	1	1	recreational
483930.6	3619925	3.17	3.17	recreational
484030.6	3619925	6.02	6.02	residential
484130.6	3619925	8.58	8.58	residential
484230.6	3619925	11.14	11.14	residential
484330.6	3619925	13.49	13.49	residential
484430.6	3619925	15.65	15.65	residential
484530.6	3619925	18.21	18.21	residential
484630.6	3619925	19.78	19.78	residential
484730.6	3619925	21.86	21.86	residential
484830.6	3619925	23.15	23.15	residential
484930.6	3619925	24.84	24.84	residential
485030.6	3619925	26.71	26.71	residential
485130.6	3619925	28.35	28.35	residential
485230.6	3619925	29.88	29.88	residential
485330.6	3619925	30.49	30.49	residential
485430.6	3619925	31.18	31.18	residential
485530.6	3619925	32.12	32.12	residential
485630.6	3619925	32.4	32.4	residential
485730.6	3619925	33.52	33.52	residential
485830.6	3619925	33.81	33.81	residential
485930.6	3619925	33.82	33.82	residential
486030.6	3619925	33.82	33.82	residential
476730.6	3620025	67.03	67.03	residential
476830.6	3620025	67.69	67.69	residential
476930.6	3620025	66.41	66.41	residential
477030.6	3620025	65.13	65.13	residential
477130.6	3620025	64.58	64.58	residential
477230.6	3620025	63.57	63.57	residential
477330.6	3620025	62.29	62.29	residential
477430.6	3620025	62	62	residential
477530.6	3620025	61.49	61.49	residential
477630.6	3620025	61	61	residential
477730.6	3620025	55.95	55.95	residential
477830.6	3620025	37.79	61	residential
477930.6	3620025	21.57	61	recreational
478030.6	3620025	9.16	62	recreational
478530.6	3620025	0.32	0.32	recreational
479030.6	3620025	0.83	0.83	recreational
479130.6	3620025	0.64	0.64	recreational
479230.6	3620025	0.97	0.97	recreational
483530.6	3620025	0.55	0.55	recreational
483630.6	3620025	0.55	0.55	recreational

X	Y	ELEV	HILL	GROUP
483730.6	3620025	0.85	0.85	recreational
483830.6	3620025	1	1	recreational
483930.6	3620025	2.23	2.23	recreational
484030.6	3620025	5.79	5.79	residential
484130.6	3620025	8.94	8.94	residential
484230.6	3620025	11.6	11.6	residential
484330.6	3620025	14.17	14.17	residential
484430.6	3620025	16.73	16.73	residential
484530.6	3620025	19.29	19.29	residential
484630.6	3620025	20.85	20.85	residential
484730.6	3620025	22.94	22.94	residential
484830.6	3620025	24.58	24.58	residential
484930.6	3620025	26.51	26.51	residential
485030.6	3620025	27.79	27.79	residential
485130.6	3620025	29.07	29.07	residential
485230.6	3620025	29.94	29.94	residential
485330.6	3620025	31.07	31.07	residential
485430.6	3620025	31.92	31.92	residential
485530.6	3620025	33.55	33.55	residential
485630.6	3620025	34.46	34.46	residential
485730.6	3620025	35.61	35.61	residential
485830.6	3620025	35.98	35.98	residential
485930.6	3620025	35.98	35.98	residential
486030.6	3620025	35.99	35.99	residential
476730.6	3620125	66.64	66.64	residential
476830.6	3620125	67.42	67.42	residential
476930.6	3620125	66.41	66.41	residential
477030.6	3620125	65.13	65.13	residential
477130.6	3620125	63.94	63.94	residential
477230.6	3620125	63.34	63.34	residential
477330.6	3620125	62	62	residential
477430.6	3620125	61.6	61.6	residential
477530.6	3620125	61	61	residential
477630.6	3620125	61	61	residential
477730.6	3620125	61	61	residential
477830.6	3620125	48.24	61	residential
477930.6	3620125	32.17	61	residential
478030.6	3620125	18.83	61	recreational
478130.6	3620125	9.65	61	recreational
478230.6	3620125	4.1	61	recreational
478330.6	3620125	1.97	61	recreational
478430.6	3620125	1.74	1.74	recreational
478530.6	3620125	1.39	1.39	recreational
478930.6	3620125	0.91	0.91	recreational
479030.6	3620125	0.29	0.29	recreational
479230.6	3620125	0.57	0.57	recreational

X	Y	ELEV	HILL	GROUP
479330.6	3620125	0.68	0.68	recreational
483830.6	3620125	1	1	recreational
483930.6	3620125	1.68	1.68	recreational
484030.6	3620125	5.52	5.52	residential
484130.6	3620125	9.36	9.36	residential
484230.6	3620125	12.17	12.17	residential
484330.6	3620125	15.24	15.24	residential
484430.6	3620125	17.81	17.81	residential
484530.6	3620125	20.37	20.37	residential
484630.6	3620125	22.49	22.49	residential
484730.6	3620125	24.58	24.58	residential
484830.6	3620125	26.2	26.2	residential
484930.6	3620125	27.59	27.59	residential
485030.6	3620125	28.7	28.7	residential
485130.6	3620125	29.59	29.59	residential
485230.6	3620125	30.49	30.49	residential
485330.6	3620125	31.24	31.24	residential
485430.6	3620125	33	33	residential
485530.6	3620125	35	35	residential
485630.6	3620125	37.13	37.13	residential
485730.6	3620125	38.3	38.3	residential
485830.6	3620125	39.04	39.04	residential
485930.6	3620125	38.82	38.82	residential
476730.6	3620225	66.03	66.03	residential
476830.6	3620225	66.86	66.86	residential
476930.6	3620225	66.22	66.22	residential
477030.6	3620225	65.13	65.13	residential
477130.6	3620225	63.85	63.85	residential
477230.6	3620225	62.79	62.79	residential
477330.6	3620225	61.44	61.44	residential
477430.6	3620225	61	61	residential
477530.6	3620225	61	61	residential
477630.6	3620225	61	61	residential
477730.6	3620225	61	61	residential
477830.6	3620225	54.71	54.71	residential
477930.6	3620225	40.38	61	residential
478030.6	3620225	27.62	61	residential
478130.6	3620225	17.37	61	recreational
478230.6	3620225	10.22	61	recreational
478330.6	3620225	6.25	6.25	recreational
478430.6	3620225	4.23	4.23	recreational
478530.6	3620225	2.47	2.47	recreational
478630.6	3620225	1.64	1.64	recreational
478830.6	3620225	0.52	0.52	recreational
478930.6	3620225	0.38	0.38	recreational
479330.6	3620225	0.32	0.32	recreational

X	Y	ELEV	HILL	GROUP
483830.6	3620225	1	1	recreational
483930.6	3620225	1.67	1.67	recreational
484030.6	3620225	5.51	5.51	residential
484130.6	3620225	9.36	9.36	residential
484230.6	3620225	12.83	12.83	residential
484330.6	3620225	16.32	16.32	residential
484430.6	3620225	19.28	19.28	residential
484530.6	3620225	22.08	22.08	residential
484630.6	3620225	24.53	24.53	residential
484730.6	3620225	26.11	26.11	residential
484830.6	3620225	27.39	27.39	residential
484930.6	3620225	28.65	28.65	residential
485030.6	3620225	29.2	29.2	residential
485130.6	3620225	29.85	29.85	residential
485230.6	3620225	30.87	30.87	residential
485330.6	3620225	31.95	31.95	residential
485430.6	3620225	34.08	34.08	residential
485530.6	3620225	36.08	36.08	recreational
485630.6	3620225	38.64	38.64	recreational
485730.6	3620225	40.76	40.76	recreational
485830.6	3620225	42.52	42.52	recreational
485930.6	3620225	42.68	42.68	recreational
476830.6	3620325	66.7	66.7	residential
476930.6	3620325	66	66	residential
477030.6	3620325	65.14	65.14	residential
477130.6	3620325	63.86	63.86	residential
477230.6	3620325	62.57	62.57	residential
477330.6	3620325	61.29	61.29	residential
477430.6	3620325	61	61	residential
477530.6	3620325	61	61	residential
477630.6	3620325	60.69	60.69	residential
477730.6	3620325	59.47	59.47	residential
477830.6	3620325	54.94	54.94	residential
477930.6	3620325	44.14	57	residential
478030.6	3620325	33.12	57	residential
478130.6	3620325	23.3	57	residential
478230.6	3620325	15.88	15.88	residential
478330.6	3620325	10.53	10.53	recreational
478430.6	3620325	6.73	6.73	recreational
478530.6	3620325	3.48	3.48	recreational
478630.6	3620325	1.65	1.65	recreational
478730.6	3620325	0.62	0.62	recreational
483830.6	3620325	1	1	recreational
483930.6	3620325	1.67	1.67	recreational
484030.6	3620325	5.86	5.86	residential
484130.6	3620325	10.61	10.61	residential

X	Y	ELEV	HILL	GROUP
484230.6	3620325	14.61	14.61	residential
484330.6	3620325	18.36	18.36	residential
484430.6	3620325	21.57	21.57	residential
484530.6	3620325	24.24	24.24	residential
484630.6	3620325	26.62	26.62	residential
484730.6	3620325	27.91	27.91	residential
484830.6	3620325	29.19	29.19	residential
484930.6	3620325	29.72	29.72	residential
485030.6	3620325	30.03	30.03	residential
485130.6	3620325	30.73	30.73	residential
485230.6	3620325	31.6	31.6	residential
485330.6	3620325	32.3	32.3	residential
485430.6	3620325	34.74	34.74	residential
485530.6	3620325	37.68	37.68	recreational
485630.6	3620325	40.45	40.45	recreational
485730.6	3620325	43.02	43.02	recreational
485830.6	3620325	45.43	45.43	recreational
485930.6	3620325	46.83	46.83	recreational
476930.6	3620425	66.27	66.27	residential
477030.6	3620425	65.14	65.14	residential
477130.6	3620425	63.86	63.86	residential
477230.6	3620425	62.58	62.58	residential
477330.6	3620425	61.75	61.75	residential
477430.6	3620425	61.01	61.01	residential
477530.6	3620425	61	61	residential
477630.6	3620425	60.46	60.46	residential
477730.6	3620425	57.81	57.81	residential
477830.6	3620425	53.67	53.67	residential
477930.6	3620425	45.17	45.17	residential
478030.6	3620425	35.78	35.78	residential
478130.6	3620425	27.34	27.34	residential
478230.6	3620425	19.87	19.87	residential
478330.6	3620425	13.64	13.64	residential
478430.6	3620425	8.98	8.98	recreational
478530.6	3620425	4.49	4.49	recreational
478630.6	3620425	1.41	1.41	recreational
483830.6	3620425	1	1	recreational
483930.6	3620425	2.01	2.01	recreational
484030.6	3620425	7.58	7.58	residential
484130.6	3620425	12.71	12.71	residential
484230.6	3620425	17.57	17.57	residential
484330.6	3620425	21.41	21.41	residential
484430.6	3620425	24.64	24.64	residential
484530.6	3620425	27.2	27.2	residential
484630.6	3620425	29.59	29.59	residential
484730.6	3620425	30.13	30.13	residential

X	Y	ELEV	HILL	GROUP
484830.6	3620425	30.55	30.55	residential
484930.6	3620425	30.83	30.83	residential
485030.6	3620425	31.67	31.67	residential
485130.6	3620425	31.81	31.81	residential
485230.6	3620425	31.97	31.97	residential
485330.6	3620425	33.11	33.11	residential
485430.6	3620425	35.67	35.67	residential
485530.6	3620425	39.52	39.52	recreational
485630.6	3620425	42.61	42.61	recreational
485730.6	3620425	46.22	46.22	recreational
485830.6	3620425	50.28	50.28	recreational
485930.6	3620425	50.71	50.71	recreational
477130.6	3620525	63.86	63.86	residential
477230.6	3620525	62.58	62.58	residential
477330.6	3620525	61.49	61.49	residential
477430.6	3620525	61.01	61.01	residential
477530.6	3620525	61	61	residential
477630.6	3620525	60.86	60.86	residential
477730.6	3620525	59.49	59.49	residential
477830.6	3620525	54.13	54.13	residential
477930.6	3620525	46.06	46.06	residential
478030.6	3620525	37.6	37.6	residential
478130.6	3620525	29.83	29.83	residential
478230.6	3620525	22.38	22.38	residential
478330.6	3620525	15.98	15.98	residential
478430.6	3620525	10.56	10.56	residential
478530.6	3620525	4.8	4.8	recreational
478630.6	3620525	1.31	1.31	recreational
483830.6	3620525	1	1	recreational
483930.6	3620525	3.83	3.83	recreational
484030.6	3620525	9.74	9.74	residential
484130.6	3620525	14.87	14.87	residential
484230.6	3620525	19.98	19.98	residential
484330.6	3620525	24.36	24.36	residential
484430.6	3620525	27.55	27.55	residential
484530.6	3620525	29.65	29.65	residential
484630.6	3620525	31.07	31.07	residential
484730.6	3620525	32.24	32.24	residential
484830.6	3620525	32.74	32.74	residential
484930.6	3620525	33.67	33.67	residential
485030.6	3620525	33.78	33.78	residential
485130.6	3620525	33.78	33.78	residential
485230.6	3620525	33.01	33.01	residential
485330.6	3620525	34.32	34.32	residential
485430.6	3620525	38.03	38.03	residential
485530.6	3620525	42.52	42.52	recreational

X	Y	ELEV	HILL	GROUP
485630.6	3620525	47.45	47.45	recreational
485730.6	3620525	51.31	51.31	recreational
485830.6	3620525	54.72	54.72	recreational
477230.6	3620625	62.58	62.58	residential
477330.6	3620625	61.3	61.3	residential
477430.6	3620625	61	61	residential
477530.6	3620625	61	61	residential
477630.6	3620625	61	61	residential
477730.6	3620625	60.18	60.18	residential
477830.6	3620625	54.4	54.4	residential
477930.6	3620625	46.65	46.65	residential
478030.6	3620625	38.86	38.86	residential
478130.6	3620625	31.97	31.97	residential
478230.6	3620625	24.56	24.56	residential
478330.6	3620625	18.16	18.16	residential
478430.6	3620625	11.89	11.89	residential
478530.6	3620625	5.65	5.65	residential
478630.6	3620625	1.86	1.86	recreational
484030.6	3620625	11.9	11.9	residential
484130.6	3620625	17.77	17.77	residential
484230.6	3620625	23.05	23.05	residential
484330.6	3620625	26.92	26.92	residential
484430.6	3620625	30.15	30.15	residential
484530.6	3620625	31.83	31.83	residential
485030.6	3620625	36.92	36.92	residential
485130.6	3620625	36.92	57	residential
485230.6	3620625	36.9	58	residential
485330.6	3620625	35.55	58	residential
485430.6	3620625	40.23	40.23	residential
485530.6	3620625	45.47	45.47	recreational
485630.6	3620625	50.89	50.89	recreational
485730.6	3620625	57.7	57.7	recreational
485830.6	3620625	60.46	60.46	recreational
477330.6	3620725	61.03	61.03	residential
477430.6	3620725	61	61	residential
477530.6	3620725	61	61	residential
477630.6	3620725	61	61	residential
477730.6	3620725	59.44	59.44	residential
477830.6	3620725	55.33	55.33	residential
477930.6	3620725	47.99	47.99	residential
478030.6	3620725	40.88	40.88	residential
478130.6	3620725	34.14	34.14	residential
478230.6	3620725	27.66	27.66	residential
478330.6	3620725	21.26	21.26	residential
478430.6	3620725	14.87	14.87	residential
478530.6	3620725	8.48	8.48	residential

X	Y	ELEV	HILL	GROUP
478630.6	3620725	2.9	2.9	residential
480030.6	3620725	0.96	0.96	recreational
482330.6	3620725	0.99	0.99	recreational
483930.6	3620725	8.18	8.18	residential
484030.6	3620725	14.59	14.59	residential
484130.6	3620725	20.22	20.22	residential
484230.6	3620725	25.34	25.34	residential
484330.6	3620725	29.76	29.76	residential
484430.6	3620725	32.32	32.32	residential
484530.6	3620725	34.03	34.03	residential
477430.6	3620825	61	61	residential
477530.6	3620825	61	61	residential
477630.6	3620825	61	61	residential
477730.6	3620825	59.37	59.37	residential
477830.6	3620825	55.71	55.71	residential
477930.6	3620825	51.48	51.48	residential
478030.6	3620825	45.7	45.7	residential
478130.6	3620825	40.25	40.25	residential
478230.6	3620825	33.92	33.92	residential
478330.6	3620825	28.03	28.03	residential
478430.6	3620825	21.37	21.37	residential
478530.6	3620825	13.81	13.81	residential
478630.6	3620825	8.36	8.36	residential
478730.6	3620825	3.83	3.83	residential
478830.6	3620825	2.16	2.16	residential
478930.6	3620825	1.23	1.23	residential
479030.6	3620825	1.58	1.58	residential
480030.6	3620825	0	0	recreational
480130.6	3620825	0	0	recreational
480230.6	3620825	0.79	0.79	recreational
480330.6	3620825	0.95	0.95	recreational
480430.6	3620825	0.95	0.95	recreational
480530.6	3620825	0.95	0.95	recreational
480630.6	3620825	0.95	0.95	recreational
480730.6	3620825	0.94	0.94	recreational
480830.6	3620825	0.94	0.94	recreational
480930.6	3620825	0.94	0.94	recreational
481030.6	3620825	0.94	0.94	recreational
481130.6	3620825	0.93	0.93	recreational
481230.6	3620825	0.93	0.93	recreational
481330.6	3620825	0.99	0.99	recreational
481430.6	3620825	1	1	recreational
481530.6	3620825	1.48	1.48	recreational
481630.6	3620825	1.94	1.94	recreational
481730.6	3620825	0.92	0.92	recreational
481830.6	3620825	0.92	0.92	recreational

X	Y	ELEV	HILL	GROUP
481930.6	3620825	0.92	0.92	recreational
482030.6	3620825	0.11	0.11	recreational
482130.6	3620825	0	0	recreational
482230.6	3620825	0	0	recreational
482330.6	3620825	0	0	recreational
483930.6	3620825	11.41	11.41	residential
484030.6	3620825	17.76	17.76	residential
484130.6	3620825	23.34	23.34	residential
484230.6	3620825	28.41	28.41	residential
484330.6	3620825	31.92	31.92	residential
484430.6	3620825	34.56	34.56	residential
477530.6	3620925	60.93	60.93	residential
477630.6	3620925	60.93	60.93	residential
477730.6	3620925	58.55	58.55	residential
477830.6	3620925	56.9	56.9	residential
477930.6	3620925	53.69	53.69	residential
478030.6	3620925	49.12	49.12	residential
478130.6	3620925	43.56	43.56	residential
478230.6	3620925	38.39	38.39	residential
478330.6	3620925	33.28	33.28	residential
478430.6	3620925	27.46	27.46	residential
478530.6	3620925	20.17	20.17	residential
478630.6	3620925	14.12	14.12	residential
478730.6	3620925	9.57	9.57	residential
478830.6	3620925	6.51	6.51	residential
478930.6	3620925	4.28	4.28	residential
479030.6	3620925	3.75	3.75	residential
479130.6	3620925	3.13	3.13	residential
479230.6	3620925	3.11	3.11	residential
480930.6	3620925	0	0	recreational
481030.6	3620925	0	0	recreational
481130.6	3620925	0	0	recreational
481230.6	3620925	0	0	recreational
481330.6	3620925	0.77	0.77	recreational
481430.6	3620925	1	1	recreational
481530.6	3620925	1.47	1.47	recreational
481630.6	3620925	1.24	1.24	recreational
481730.6	3620925	0	0	recreational
483830.6	3620925	8.3	8.3	residential
483930.6	3620925	14.65	14.65	residential
484030.6	3620925	20.57	20.57	residential
484130.6	3620925	25.7	25.7	residential
484230.6	3620925	30.56	30.56	residential
484330.6	3620925	33.94	33.94	residential
477730.6	3621025	58.66	58.66	residential
477830.6	3621025	58.25	58.25	residential

X	Y	ELEV	HILL	GROUP
477930.6	3621025	56.47	56.47	residential
478030.6	3621025	50.69	50.69	residential
478130.6	3621025	46.64	46.64	residential
478230.6	3621025	41.65	41.65	residential
478330.6	3621025	36.54	36.54	residential
478430.6	3621025	31.55	31.55	residential
478530.6	3621025	25.44	25.44	residential
478630.6	3621025	19.48	19.48	residential
478730.6	3621025	14.25	14.25	residential
478830.6	3621025	10.04	10.04	residential
478930.6	3621025	7.52	7.52	residential
479030.6	3621025	6.01	6.01	residential
479130.6	3621025	4.64	4.64	residential
479230.6	3621025	4.19	4.19	residential
479330.6	3621025	3.89	3.89	residential
479430.6	3621025	3.08	3.08	residential
481430.6	3621025	1.05	1.05	recreational
481530.6	3621025	1.6	1.6	recreational
481630.6	3621025	1.25	1.25	recreational
483830.6	3621025	11.5	11.5	residential
483930.6	3621025	17.89	17.89	residential
484030.6	3621025	23.81	23.81	residential
484130.6	3621025	28.72	28.72	residential
484230.6	3621025	32.68	32.68	residential
477830.6	3621125	60.3	60.3	residential
477930.6	3621125	59.71	59.71	residential
478030.6	3621125	54.25	54.25	residential
478130.6	3621125	49.48	49.48	residential
478230.6	3621125	44.66	44.66	residential
478330.6	3621125	39.67	39.67	residential
478430.6	3621125	35.26	35.26	residential
478530.6	3621125	29.58	29.58	residential
478630.6	3621125	24.38	24.38	residential
478730.6	3621125	18.59	18.59	residential
478830.6	3621125	14.37	14.37	residential
478930.6	3621125	11.45	11.45	residential
479030.6	3621125	8.89	8.89	residential
479130.6	3621125	6.88	6.88	residential
479230.6	3621125	5.54	5.54	residential
479330.6	3621125	4.98	4.98	residential
479430.6	3621125	3.54	3.54	residential
479530.6	3621125	2.14	2.14	residential
479630.6	3621125	1	1	residential
481430.6	3621125	1.19	1.19	recreational
481530.6	3621125	2	2	recreational
481630.6	3621125	1.49	1.49	recreational

X	Y	ELEV	HILL	GROUP
481730.6	3621125	1	1	recreational
481830.6	3621125	1	1	recreational
481930.6	3621125	1	1	recreational
482030.6	3621125	1	1	recreational
482130.6	3621125	1	1	recreational
482230.6	3621125	1	1	recreational
482330.6	3621125	1	1	recreational
482430.6	3621125	1	1	recreational
482530.6	3621125	0.34	0.34	recreational
483830.6	3621125	15.13	15.13	residential
483930.6	3621125	21.05	21.05	residential
484030.6	3621125	26.68	26.68	residential
484130.6	3621125	31.04	31.04	residential
484230.6	3621125	34.87	34.87	residential
477930.6	3621225	60.27	60.27	residential
478030.6	3621225	55.99	55.99	residential
478130.6	3621225	50.93	50.93	residential
478230.6	3621225	46.58	46.58	residential
478330.6	3621225	42.21	42.21	residential
478430.6	3621225	37.86	37.86	residential
478530.6	3621225	32.87	32.87	residential
478630.6	3621225	28.49	28.49	residential
478730.6	3621225	22.94	22.94	residential
478830.6	3621225	18.4	18.4	residential
478930.6	3621225	14.7	14.7	residential
479030.6	3621225	11.99	11.99	residential
479130.6	3621225	9.24	9.24	residential
479230.6	3621225	7.69	7.69	residential
479330.6	3621225	5.96	5.96	residential
479430.6	3621225	4.06	4.06	residential
479530.6	3621225	2.2	2.2	residential
479630.6	3621225	1	1	residential
479730.6	3621225	0.74	0.74	residential
479830.6	3621225	0.11	0.11	residential
479930.6	3621225	0	0	residential
480030.6	3621225	1.1	1.1	residential
480130.6	3621225	1.37	1.37	recreational
480230.6	3621225	1.38	1.38	recreational
480330.6	3621225	1	1	recreational
480430.6	3621225	1	1	recreational
480530.6	3621225	1	1	recreational
480630.6	3621225	1	1	recreational
480730.6	3621225	0.86	0.86	recreational
480830.6	3621225	0.39	0.39	recreational
480930.6	3621225	0.39	0.39	recreational
481030.6	3621225	0.39	0.39	recreational

X	Y	ELEV	HILL	GROUP
481330.6	3621225	0.94	0.94	recreational
481430.6	3621225	1.51	1.51	recreational
481530.6	3621225	2	2	recreational
481630.6	3621225	2	2	recreational
481730.6	3621225	1	1	recreational
481830.6	3621225	1	1	recreational
481930.6	3621225	1	1	recreational
482030.6	3621225	1	1	recreational
482130.6	3621225	1.42	1.42	recreational
482230.6	3621225	1.42	1.42	recreational
482330.6	3621225	1.42	1.42	recreational
482430.6	3621225	1.84	1.84	recreational
482530.6	3621225	1.42	1.42	recreational
482630.6	3621225	1.66	1.66	residential
483830.6	3621225	18.99	18.99	residential
483930.6	3621225	24.16	24.16	residential
484030.6	3621225	29.07	29.07	residential
484130.6	3621225	33.2	33.2	residential
485901.8	3618345	12.45	12.45	school

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APPENDIX E

Modeling Outputs

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*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
669	ALL	residential	485930.6	3618425	4.99E-06	30YrCancer	4.74E-06	2.40E-07	9.53E-09	1.06E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	residential	486030.6	3618325	4.97E-06	30YrCancer	4.74E-06	2.26E-07	8.96E-09	9.98E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	residential	486130.6	3618225	4.67E-06	30YrCancer	4.46E-06	2.00E-07	7.92E-09	8.83E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	ALL	residential	486030.6	3618425	4.38E-06	30YrCancer	4.18E-06	1.99E-07	7.90E-09	8.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	residential	485930.6	3618525	4.35E-06	30YrCancer	4.13E-06	2.07E-07	8.23E-09	9.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	residential	486730.6	3617525	4.28E-06	30YrCancer	4.08E-06	1.98E-07	7.85E-09	8.75E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	residential	486130.6	3618325	4.24E-06	30YrCancer	4.05E-06	1.81E-07	7.20E-09	8.02E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	ALL	residential	485830.6	3618625	4.24E-06	30YrCancer	4.02E-06	2.08E-07	8.27E-09	9.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	residential	486230.6	3618025	4.21E-06	30YrCancer	4.01E-06	1.89E-07	7.52E-09	8.38E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	residential	486630.6	3617625	4.13E-06	30YrCancer	3.92E-06	2.00E-07	7.93E-09	8.84E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	residential	486230.6	3618125	4.03E-06	30YrCancer	3.86E-06	1.71E-07	6.77E-09	7.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	residential	486544.7	3617711	3.90E-06	30YrCancer	3.70E-06	1.94E-07	7.71E-09	8.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	residential	486030.6	3618525	3.87E-06	30YrCancer	3.69E-06	1.74E-07	6.91E-09	7.70E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	residential	486530.6	3617725	3.86E-06	30YrCancer	3.66E-06	1.93E-07	7.66E-09	8.53E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	residential	486517.8	3617736	3.84E-06	30YrCancer	3.64E-06	1.92E-07	7.63E-09	8.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	residential	486230.6	3618225	3.84E-06	30YrCancer	3.68E-06	1.57E-07	6.25E-09	6.96E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	ALL	residential	486130.6	3618425	3.84E-06	30YrCancer	3.67E-06	1.65E-07	6.54E-09	7.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	ALL	residential	485930.6	3618625	3.84E-06	30YrCancer	3.65E-06	1.80E-07	7.17E-09	7.99E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	residential	486474.2	3617772	3.80E-06	30YrCancer	3.60E-06	1.92E-07	7.61E-09	8.48E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	residential	486422.2	3617812	3.79E-06	30YrCancer	3.59E-06	1.91E-07	7.59E-09	8.46E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	residential	486930.6	3617425	3.77E-06	30YrCancer	3.60E-06	1.64E-07	6.51E-09	7.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	residential	487030.6	3617325	3.73E-06	30YrCancer	3.57E-06	1.55E-07	6.17E-09	6.88E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	residential	486330.6	3617925	3.73E-06	30YrCancer	3.55E-06	1.79E-07	7.10E-09	7.91E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	residential	486830.6	3617525	3.72E-06	30YrCancer	3.55E-06	1.69E-07	6.72E-09	7.49E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	ALL	residential	485830.6	3618725	3.71E-06	30YrCancer	3.53E-06	1.77E-07	7.02E-09	7.82E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	residential	486430.6	3617825	3.65E-06	30YrCancer	3.46E-06	1.82E-07	7.23E-09	8.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	residential	486230.6	3618325	3.61E-06	30YrCancer	3.46E-06	1.47E-07	5.84E-09	6.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	residential	486730.6	3617625	3.56E-06	30YrCancer	3.39E-06	1.69E-07	6.69E-09	7.46E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	residential	486130.6	3618525	3.46E-06	30YrCancer	3.30E-06	1.48E-07	5.88E-09	6.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	ALL	residential	486030.6	3618625	3.45E-06	30YrCancer	3.29E-06	1.54E-07	6.12E-09	6.82E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	ALL	residential	486330.6	3618025	3.44E-06	30YrCancer	3.28E-06	1.51E-07	5.99E-09	6.68E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	ALL	residential	485930.6	3618725	3.41E-06	30YrCancer	3.24E-06	1.57E-07	6.24E-09	6.95E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	residential	487030.6	3617425	3.34E-06	30YrCancer	3.19E-06	1.44E-07	5.72E-09	6.38E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	residential	486630.6	3617725	3.34E-06	30YrCancer	3.17E-06	1.62E-07	6.42E-09	7.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	ALL	residential	486230.6	3618425	3.34E-06	30YrCancer	3.20E-06	1.36E-07	5.41E-09	6.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	residential	487130.6	3617325	3.33E-06	30YrCancer	3.19E-06	1.39E-07	5.51E-09	6.14E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	residential	486607.9	3617745	3.30E-06	30YrCancer	3.13E-06	1.60E-07	6.35E-09	7.08E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	residential	486330.6	3618125	3.29E-06	30YrCancer	3.15E-06	1.36E-07	5.41E-09	6.02E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	residential	486456.5	3617863	3.28E-06	30YrCancer	3.12E-06	1.58E-07	6.27E-09	6.99E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	residential	486930.6	3617525	3.28E-06	30YrCancer	3.12E-06	1.46E-07	5.81E-09	6.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	residential	486555.9	3617784	3.27E-06	30YrCancer	3.10E-06	1.59E-07	6.31E-09	7.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	residential	487230.6	3617225	3.27E-06	30YrCancer	3.13E-06	1.31E-07	5.19E-09	5.78E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817	ALL	residential	485830.6	3618825	3.27E-06	30YrCancer	3.12E-06	1.51E-07	6.00E-09	6.68E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	residential	486498.3	3617831	3.26E-06	30YrCancer	3.09E-06	1.58E-07	6.28E-09	7.00E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	residential	486330.6	3618225	3.20E-06	30YrCancer	3.07E-06	1.28E-07	5.08E-09	5.66E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	ALL	residential	485330.6	3618725	3.16E-06	30YrCancer	3.00E-06	1.49E-07	5.91E-09	6.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816	ALL	residential	485430.6	3618825	3.16E-06	30YrCancer	3.00E-06	1.50E-07	5.95E-09	6.63E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	residential	486530.6	3617825	3.14E-06	30YrCancer	2.98E-06	1.51E-07	5.99E-09	6.68E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	residential	486430.6	3617925	3.14E-06	30YrCancer	2.99E-06	1.45E-07	5.76E-09	6.42E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_F	EGG_RISK
376	ALL	residential	486830.6	3617625	3.12E-06	30YrCancer	2.97E-06	1.44E-07	5.72E-09	6.37E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	ALL	residential	486030.6	3618725	3.10E-06	30YrCancer	2.96E-06	1.37E-07	5.44E-09	6.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	residential	486330.6	3618325	3.06E-06	30YrCancer	2.94E-06	1.20E-07	4.77E-09	5.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818	ALL	residential	485930.6	3618825	3.05E-06	30YrCancer	2.91E-06	1.38E-07	5.48E-09	6.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	ALL	residential	487230.6	3617325	3.00E-06	30YrCancer	2.87E-06	1.24E-07	4.91E-09	5.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	residential	485530.6	3618925	3.00E-06	30YrCancer	2.86E-06	1.39E-07	5.53E-09	6.17E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	residential	487130.6	3617425	2.98E-06	30YrCancer	2.84E-06	1.27E-07	5.03E-09	5.61E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	residential	487330.6	3617225	2.97E-06	30YrCancer	2.84E-06	1.18E-07	4.70E-09	5.24E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	residential	486730.6	3617725	2.92E-06	30YrCancer	2.78E-06	1.37E-07	5.43E-09	6.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	residential	485830.6	3618925	2.92E-06	30YrCancer	2.78E-06	1.30E-07	5.16E-09	5.75E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	ALL	residential	487030.6	3617525	2.90E-06	30YrCancer	2.76E-06	1.27E-07	5.04E-09	5.62E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	residential	486430.6	3618025	2.88E-06	30YrCancer	2.75E-06	1.23E-07	4.88E-09	5.43E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
815	ALL	residential	485330.6	3618825	2.87E-06	30YrCancer	2.73E-06	1.31E-07	5.18E-09	5.78E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	residential	485430.6	3618925	2.85E-06	30YrCancer	2.71E-06	1.30E-07	5.17E-09	5.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819	ALL	residential	486030.6	3618825	2.81E-06	30YrCancer	2.68E-06	1.23E-07	4.88E-09	5.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	residential	486230.6	3618625	2.80E-06	30YrCancer	2.68E-06	1.14E-07	4.52E-09	5.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	ALL	residential	485230.6	3618725	2.79E-06	30YrCancer	2.67E-06	1.23E-07	4.88E-09	5.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	residential	486930.6	3617625	2.76E-06	30YrCancer	2.63E-06	1.24E-07	4.93E-09	5.49E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	residential	486430.6	3618125	2.76E-06	30YrCancer	2.65E-06	1.12E-07	4.43E-09	4.94E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	residential	485930.6	3618925	2.76E-06	30YrCancer	2.63E-06	1.22E-07	4.85E-09	5.40E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	residential	485630.6	3619025	2.75E-06	30YrCancer	2.62E-06	1.23E-07	4.87E-09	5.43E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	residential	486630.6	3617825	2.74E-06	30YrCancer	2.61E-06	1.27E-07	5.05E-09	5.63E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	ALL	residential	487430.6	3617225	2.72E-06	30YrCancer	2.61E-06	1.07E-07	4.24E-09	4.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	residential	487330.6	3617325	2.71E-06	30YrCancer	2.59E-06	1.11E-07	4.39E-09	4.89E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	residential	485730.6	3619025	2.71E-06	30YrCancer	2.59E-06	1.19E-07	4.71E-09	5.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	residential	486530.6	3617925	2.70E-06	30YrCancer	2.58E-06	1.21E-07	4.79E-09	5.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	residential	486430.6	3618225	2.70E-06	30YrCancer	2.59E-06	1.05E-07	4.17E-09	4.65E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	residential	486330.6	3618525	2.70E-06	30YrCancer	2.59E-06	1.05E-07	4.17E-09	4.65E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
911	ALL	residential	485530.6	3619025	2.70E-06	30YrCancer	2.57E-06	1.21E-07	4.82E-09	5.37E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	ALL	residential	485130.6	3618625	2.69E-06	30YrCancer	2.57E-06	1.10E-07	4.37E-09	4.87E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	residential	487230.6	3617425	2.66E-06	30YrCancer	2.55E-06	1.12E-07	4.44E-09	4.95E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
856	ALL	residential	485330.6	3618925	2.62E-06	30YrCancer	2.50E-06	1.15E-07	4.58E-09	5.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL	residential	485830.6	3619025	2.62E-06	30YrCancer	2.50E-06	1.13E-07	4.50E-09	5.02E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1	ALL	residential	487479.5	3617251	2.61E-06	30YrCancer	2.50E-06	1.00E-07	3.97E-09	4.43E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	residential	486830.6	3617725	2.59E-06	30YrCancer	2.47E-06	1.18E-07	4.68E-09	5.21E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	residential	487130.6	3617525	2.58E-06	30YrCancer	2.46E-06	1.11E-07	4.40E-09	4.90E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	ALL	residential	486230.6	3618725	2.57E-06	30YrCancer	2.46E-06	1.03E-07	4.10E-09	4.57E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	ALL	residential	485230.6	3618825	2.57E-06	30YrCancer	2.45E-06	1.09E-07	4.33E-09	4.83E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	residential	485430.6	3619025	2.57E-06	30YrCancer	2.46E-06	1.14E-07	4.53E-09	5.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL	residential	487479.5	3617270	2.56E-06	30YrCancer	2.46E-06	9.87E-08	3.92E-09	4.37E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	residential	486030.6	3618925	2.56E-06	30YrCancer	2.44E-06	1.10E-07	4.37E-09	4.87E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL	residential	487504.5	3617251	2.52E-06	30YrCancer	2.42E-06	9.76E-08	3.87E-09	4.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL	residential	487479.5	3617289	2.52E-06	30YrCancer	2.42E-06	9.72E-08	3.86E-09	4.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	ALL	residential	486330.6	3618625	2.52E-06	30YrCancer	2.42E-06	9.80E-08	3.89E-09	4.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	ALL	residential	486430.6	3618425	2.50E-06	30YrCancer	2.40E-06	9.38E-08	3.72E-09	4.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	ALL	residential	485130.6	3618725	2.50E-06	30YrCancer	2.39E-06	1.00E-07	3.98E-09	4.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	residential	485930.6	3619025	2.50E-06	30YrCancer	2.38E-06	1.08E-07	4.27E-09	4.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL	residential	487504.5	3617270	2.48E-06	30YrCancer	2.38E-06	9.62E-08	3.82E-09	4.26E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	residential	487430.6	3617325	2.48E-06	30YrCancer	2.38E-06	9.92E-08	3.94E-09	4.39E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
966	ALL	residential	485630.6	3619125	2.48E-06	30YrCancer	2.37E-06	1.08E-07	4.28E-09	4.77E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	ALL	residential	487479.5	3617309	2.47E-06	30YrCancer	2.37E-06	9.56E-08	3.80E-09	4.23E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	residential	486530.6	3618025	2.47E-06	30YrCancer	2.36E-06	1.02E-07	4.06E-09	4.52E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL	residential	487529.5	3617251	2.45E-06	30YrCancer	2.36E-06	9.52E-08	3.78E-09	4.21E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	residential	487030.6	3617625	2.45E-06	30YrCancer	2.34E-06	1.07E-07	4.27E-09	4.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
967	ALL	residential	485730.6	3619125	2.45E-06	30YrCancer	2.34E-06	1.04E-07	4.15E-09	4.62E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
965	ALL	residential	485530.6	3619125	2.44E-06	30YrCancer	2.33E-06	1.07E-07	4.24E-09	4.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL	residential	487504.5	3617289	2.43E-06	30YrCancer	2.34E-06	9.48E-08	3.76E-09	4.19E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	residential	487479.5	3617328	2.42E-06	30YrCancer	2.33E-06	9.39E-08	3.73E-09	4.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	residential	486730.6	3617825	2.42E-06	30YrCancer	2.31E-06	1.09E-07	4.31E-09	4.81E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL	residential	487529.5	3617270	2.41E-06	30YrCancer	2.32E-06	9.38E-08	3.73E-09	4.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	residential	487330.6	3617425	2.41E-06	30YrCancer	2.30E-06	9.92E-08	3.94E-09	4.39E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL	residential	487554.5	3617251	2.40E-06	30YrCancer	2.30E-06	9.29E-08	3.69E-09	4.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	residential	487504.5	3617309	2.39E-06	30YrCancer	2.30E-06	9.32E-08	3.70E-09	4.13E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	residential	487479.5	3617347	2.39E-06	30YrCancer	2.30E-06	9.21E-08	3.66E-09	4.08E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	residential	485330.6	3619025	2.39E-06	30YrCancer	2.29E-06	1.03E-07	4.07E-09	4.54E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	residential	487730.6	3617025	2.38E-06	30YrCancer	2.29E-06	8.57E-08	3.40E-09	3.79E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	residential	486430.6	3618525	2.38E-06	30YrCancer	2.29E-06	8.86E-08	3.52E-09	3.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL	residential	487529.5	3617289	2.37E-06	30YrCancer	2.28E-06	9.24E-08	3.67E-09	4.09E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	residential	487474.3	3617363	2.37E-06	30YrCancer	2.27E-06	9.11E-08	3.62E-09	4.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	ALL	residential	486530.6	3618125	2.37E-06	30YrCancer	2.28E-06	9.35E-08	3.71E-09	4.14E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL	residential	485830.6	3619125	2.37E-06	30YrCancer	2.26E-06	9.95E-08	3.95E-09	4.40E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL	residential	487554.5	3617270	2.36E-06	30YrCancer	2.26E-06	9.15E-08	3.64E-09	4.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	residential	486630.6	3617925	2.36E-06	30YrCancer	2.26E-06	1.02E-07	4.05E-09	4.52E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820	ALL	residential	486230.6	3618825	2.36E-06	30YrCancer	2.26E-06	9.46E-08	3.76E-09	4.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	residential	485230.6	3618925	2.36E-06	30YrCancer	2.26E-06	9.81E-08	3.89E-09	4.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL	residential	487579.5	3617251	2.35E-06	30YrCancer	2.25E-06	9.06E-08	3.60E-09	4.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	residential	487504.5	3617328	2.35E-06	30YrCancer	2.26E-06	9.15E-08	3.63E-09	4.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	residential	487504.5	3617347	2.34E-06	30YrCancer	2.25E-06	8.97E-08	3.56E-09	3.97E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	residential	486030.6	3619025	2.34E-06	30YrCancer	2.23E-06	9.87E-08	3.92E-09	4.37E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	residential	485430.6	3619125	2.34E-06	30YrCancer	2.24E-06	1.01E-07	4.01E-09	4.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	residential	487529.5	3617309	2.33E-06	30YrCancer	2.24E-06	9.09E-08	3.61E-09	4.02E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	ALL	residential	486330.6	3618725	2.33E-06	30YrCancer	2.24E-06	9.04E-08	3.59E-09	4.00E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL	residential	487554.5	3617289	2.32E-06	30YrCancer	2.23E-06	9.01E-08	3.58E-09	3.99E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	residential	487492.8	3617363	2.32E-06	30YrCancer	2.22E-06	8.93E-08	3.55E-09	3.95E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	residential	487230.6	3617525	2.32E-06	30YrCancer	2.22E-06	9.75E-08	3.87E-09	4.31E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL	residential	487579.5	3617270	2.31E-06	30YrCancer	2.22E-06	8.93E-08	3.55E-09	3.95E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	residential	486930.6	3617725	2.31E-06	30YrCancer	2.21E-06	1.02E-07	4.06E-09	4.52E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	ALL	residential	485130.6	3618825	2.31E-06	30YrCancer	2.21E-06	9.02E-08	3.58E-09	3.99E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL	residential	487604.5	3617251	2.30E-06	30YrCancer	2.20E-06	8.84E-08	3.51E-09	3.91E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	residential	487529.5	3617328	2.30E-06	30YrCancer	2.21E-06	8.92E-08	3.54E-09	3.95E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	residential	487474.3	3617382	2.30E-06	30YrCancer	2.21E-06	8.92E-08	3.54E-09	3.95E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	residential	487529.5	3617347	2.29E-06	30YrCancer	2.20E-06	8.75E-08	3.47E-09	3.87E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	residential	487830.6	3616925	2.29E-06	30YrCancer	2.21E-06	8.11E-08	3.22E-09	3.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	residential	487554.5	3617309	2.28E-06	30YrCancer	2.19E-06	8.86E-08	3.52E-09	3.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL	residential	487579.5	3617289	2.27E-06	30YrCancer	2.18E-06	8.79E-08	3.49E-09	3.89E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	residential	487511.3	3617363	2.27E-06	30YrCancer	2.18E-06	8.76E-08	3.48E-09	3.88E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	ALL	residential	485030.6	3618725	2.27E-06	30YrCancer	2.19E-06	8.11E-08	3.22E-09	3.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL	residential	487604.5	3617270	2.26E-06	30YrCancer	2.17E-06	8.72E-08	3.46E-09	3.86E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
969	ALL	residential	485930.6	3619125	2.26E-06	30YrCancer	2.16E-06	9.46E-08	3.76E-09	4.19E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL	residential	487629.5	3617251	2.25E-06	30YrCancer	2.16E-06	8.64E-08	3.43E-09	3.82E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	residential	487554.5	3617328	2.25E-06	30YrCancer	2.16E-06	8.70E-08	3.46E-09	3.85E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	residential	487474.3	3617400	2.25E-06	30YrCancer	2.16E-06	8.72E-08	3.46E-09	3.86E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	ALL	residential	486430.6	3618625	2.25E-06	30YrCancer	2.16E-06	8.41E-08	3.34E-09	3.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	residential	487554.5	3617347	2.24E-06	30YrCancer	2.15E-06	8.53E-08	3.39E-09	3.78E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	residential	487492.8	3617382	2.24E-06	30YrCancer	2.15E-06	8.74E-08	3.47E-09	3.87E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	residential	486530.6	3618325	2.24E-06	30YrCancer	2.15E-06	8.23E-08	3.27E-09	3.64E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1022	ALL	residential	485630.6	3619225	2.24E-06	30YrCancer	2.14E-06	9.47E-08	3.76E-09	4.19E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	residential	487579.5	3617309	2.23E-06	30YrCancer	2.14E-06	8.64E-08	3.43E-09	3.83E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	residential	487529.8	3617363	2.23E-06	30YrCancer	2.14E-06	8.60E-08	3.41E-09	3.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL	residential	487604.5	3617289	2.22E-06	30YrCancer	2.13E-06	8.58E-08	3.41E-09	3.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	residential	487830.6	3617025	2.22E-06	30YrCancer	2.14E-06	8.03E-08	3.19E-09	3.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1023	ALL	residential	485730.6	3619225	2.22E-06	30YrCancer	2.12E-06	9.25E-08	3.67E-09	4.09E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL	residential	487629.5	3617270	2.21E-06	30YrCancer	2.12E-06	8.51E-08	3.38E-09	3.77E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1021	ALL	residential	485530.6	3619225	2.21E-06	30YrCancer	2.12E-06	9.41E-08	3.74E-09	4.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL	residential	487654.5	3617251	2.20E-06	30YrCancer	2.11E-06	8.43E-08	3.35E-09	3.73E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL	residential	487579.5	3617328	2.20E-06	30YrCancer	2.11E-06	8.49E-08	3.37E-09	3.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	residential	487548.3	3617363	2.20E-06	30YrCancer	2.11E-06	8.44E-08	3.35E-09	3.73E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	residential	487474.3	3617419	2.20E-06	30YrCancer	2.11E-06	8.52E-08	3.38E-09	3.77E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	ALL	residential	487430.6	3617425	2.20E-06	30YrCancer	2.11E-06	8.87E-08	3.52E-09	3.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	residential	487130.6	3617625	2.20E-06	30YrCancer	2.10E-06	9.39E-08	3.73E-09	4.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	residential	487604.5	3617309	2.19E-06	30YrCancer	2.10E-06	8.43E-08	3.35E-09	3.73E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	residential	487579.5	3617347	2.19E-06	30YrCancer	2.11E-06	8.32E-08	3.31E-09	3.68E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	residential	487511.3	3617382	2.19E-06	30YrCancer	2.10E-06	8.57E-08	3.40E-09	3.79E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL	residential	485330.6	3619125	2.19E-06	30YrCancer	2.10E-06	9.18E-08	3.64E-09	4.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL	residential	487629.5	3617289	2.18E-06	30YrCancer	2.09E-06	8.37E-08	3.33E-09	3.71E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	residential	487492.8	3617400	2.18E-06	30YrCancer	2.09E-06	8.55E-08	3.39E-09	3.78E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	residential	486230.6	3618925	2.18E-06	30YrCancer	2.09E-06	8.74E-08	3.47E-09	3.87E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	residential	485230.6	3619025	2.18E-06	30YrCancer	2.09E-06	8.86E-08	3.52E-09	3.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	residential	486830.6	3617825	2.17E-06	30YrCancer	2.07E-06	9.47E-08	3.76E-09	4.19E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	ALL	residential	486530.6	3618425	2.17E-06	30YrCancer	2.09E-06	7.87E-08	3.13E-09	3.48E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL	residential	487679.5	3617251	2.16E-06	30YrCancer	2.07E-06	8.24E-08	3.27E-09	3.65E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL	residential	487654.5	3617270	2.16E-06	30YrCancer	2.08E-06	8.31E-08	3.30E-09	3.68E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	residential	487604.5	3617328	2.16E-06	30YrCancer	2.07E-06	8.28E-08	3.29E-09	3.66E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	residential	487566.8	3617363	2.16E-06	30YrCancer	2.08E-06	8.29E-08	3.29E-09	3.67E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	residential	487529.8	3617382	2.16E-06	30YrCancer	2.07E-06	8.42E-08	3.34E-09	3.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821	ALL	residential	486330.6	3618825	2.16E-06	30YrCancer	2.08E-06	8.33E-08	3.31E-09	3.69E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	residential	487604.5	3617347	2.15E-06	30YrCancer	2.06E-06	8.12E-08	3.22E-09	3.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	residential	487473.6	3617435	2.15E-06	30YrCancer	2.07E-06	8.35E-08	3.32E-09	3.69E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	residential	486630.6	3618025	2.15E-06	30YrCancer	2.06E-06	8.65E-08	3.43E-09	3.83E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1024	ALL	residential	485830.6	3619225	2.15E-06	30YrCancer	2.06E-06	8.81E-08	3.50E-09	3.90E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	residential	487629.5	3617309	2.14E-06	30YrCancer	2.06E-06	8.23E-08	3.27E-09	3.64E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	residential	487511.3	3617400	2.14E-06	30YrCancer	2.05E-06	8.39E-08	3.33E-09	3.71E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	residential	487930.6	3616925	2.14E-06	30YrCancer	2.06E-06	7.52E-08	2.99E-09	3.33E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1020	ALL	residential	485430.6	3619225	2.14E-06	30YrCancer	2.04E-06	8.99E-08	3.57E-09	3.98E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL	residential	487654.5	3617289	2.13E-06	30YrCancer	2.04E-06	8.18E-08	3.25E-09	3.62E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	residential	487585.3	3617363	2.13E-06	30YrCancer	2.05E-06	8.14E-08	3.23E-09	3.60E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	residential	487492.8	3617419	2.13E-06	30YrCancer	2.04E-06	8.35E-08	3.32E-09	3.70E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_F	EGG_RISK
854	ALL	residential	485130.6	3618925	2.13E-06	30YrCancer	2.05E-06	8.14E-08	3.23E-09	3.60E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL	residential	486030.6	3619125	2.13E-06	30YrCancer	2.04E-06	8.81E-08	3.50E-09	3.90E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL	residential	487679.5	3617270	2.12E-06	30YrCancer	2.04E-06	8.11E-08	3.22E-09	3.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	residential	487548.3	3617382	2.12E-06	30YrCancer	2.03E-06	8.26E-08	3.28E-09	3.66E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	ALL	residential	486430.6	3618725	2.12E-06	30YrCancer	2.03E-06	7.90E-08	3.14E-09	3.49E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL	residential	487704.5	3617251	2.11E-06	30YrCancer	2.03E-06	8.05E-08	3.20E-09	3.56E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	residential	487629.5	3617328	2.11E-06	30YrCancer	2.03E-06	8.08E-08	3.21E-09	3.58E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	ALL	residential	485030.6	3618825	2.11E-06	30YrCancer	2.03E-06	7.47E-08	2.97E-09	3.31E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	ALL	residential	487629.5	3617347	2.10E-06	30YrCancer	2.02E-06	7.92E-08	3.15E-09	3.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	residential	487603.8	3617363	2.10E-06	30YrCancer	2.01E-06	7.99E-08	3.17E-09	3.54E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	residential	487529.8	3617400	2.10E-06	30YrCancer	2.01E-06	8.23E-08	3.27E-09	3.64E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	residential	487654.5	3617309	2.09E-06	30YrCancer	2.01E-06	8.03E-08	3.19E-09	3.56E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	residential	487566.8	3617382	2.09E-06	30YrCancer	2.00E-06	8.12E-08	3.22E-09	3.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	residential	487511.3	3617419	2.09E-06	30YrCancer	2.00E-06	8.20E-08	3.25E-09	3.63E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	residential	486730.6	3617925	2.09E-06	30YrCancer	2.00E-06	8.78E-08	3.49E-09	3.88E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	residential	486530.6	3618525	2.09E-06	30YrCancer	2.01E-06	7.51E-08	2.98E-09	3.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL	residential	487704.5	3617270	2.08E-06	30YrCancer	1.99E-06	7.93E-08	3.15E-09	3.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL	residential	487679.5	3617289	2.08E-06	30YrCancer	2.00E-06	7.98E-08	3.17E-09	3.53E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL	residential	487729.5	3617251	2.07E-06	30YrCancer	1.99E-06	7.86E-08	3.12E-09	3.48E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	residential	487654.5	3617328	2.07E-06	30YrCancer	1.98E-06	7.89E-08	3.13E-09	3.49E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	residential	488030.6	3616825	2.07E-06	30YrCancer	2.00E-06	7.12E-08	2.83E-09	3.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	residential	487930.6	3617025	2.07E-06	30YrCancer	1.99E-06	7.47E-08	2.97E-09	3.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	residential	487030.6	3617725	2.07E-06	30YrCancer	1.97E-06	8.86E-08	3.52E-09	3.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1025	ALL	residential	485930.6	3619225	2.07E-06	30YrCancer	1.98E-06	8.41E-08	3.34E-09	3.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	residential	487654.5	3617347	2.06E-06	30YrCancer	1.98E-06	7.73E-08	3.07E-09	3.42E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	residential	487622.3	3617363	2.06E-06	30YrCancer	1.98E-06	7.84E-08	3.12E-09	3.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	residential	487548.3	3617400	2.06E-06	30YrCancer	1.98E-06	8.09E-08	3.21E-09	3.58E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	residential	484130.6	3617925	2.06E-06	30YrCancer	2.00E-06	4.90E-08	1.94E-09	2.17E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	residential	487679.5	3617309	2.05E-06	30YrCancer	1.97E-06	7.84E-08	3.12E-09	3.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	residential	487585.3	3617382	2.05E-06	30YrCancer	1.97E-06	7.97E-08	3.17E-09	3.53E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	residential	484430.6	3617625	2.05E-06	30YrCancer	1.99E-06	6.23E-08	2.47E-09	2.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	residential	484330.6	3617725	2.05E-06	30YrCancer	1.99E-06	5.80E-08	2.30E-09	2.57E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	residential	484230.6	3617825	2.05E-06	30YrCancer	2.00E-06	5.32E-08	2.11E-09	2.36E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1080	ALL	residential	485630.6	3619325	2.05E-06	30YrCancer	1.96E-06	8.41E-08	3.34E-09	3.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL	residential	487704.5	3617289	2.04E-06	30YrCancer	1.96E-06	7.80E-08	3.10E-09	3.45E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL	residential	487754.5	3617251	2.03E-06	30YrCancer	1.95E-06	7.69E-08	3.05E-09	3.40E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL	residential	487729.5	3617270	2.03E-06	30YrCancer	1.95E-06	7.74E-08	3.08E-09	3.43E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	residential	487640.8	3617363	2.03E-06	30YrCancer	1.95E-06	7.70E-08	3.06E-09	3.41E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	residential	487566.8	3617400	2.03E-06	30YrCancer	1.95E-06	7.94E-08	3.15E-09	3.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1081	ALL	residential	485730.6	3619325	2.03E-06	30YrCancer	1.94E-06	8.24E-08	3.27E-09	3.65E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	residential	487603.8	3617382	2.02E-06	30YrCancer	1.94E-06	7.83E-08	3.11E-09	3.46E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	residential	486230.6	3619025	2.02E-06	30YrCancer	1.94E-06	8.05E-08	3.20E-09	3.56E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	residential	485230.6	3619125	2.02E-06	30YrCancer	1.94E-06	8.04E-08	3.19E-09	3.56E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1019	ALL	residential	485330.6	3619225	2.02E-06	30YrCancer	1.93E-06	8.25E-08	3.28E-09	3.65E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1079	ALL	residential	485530.6	3619325	2.02E-06	30YrCancer	1.94E-06	8.36E-08	3.32E-09	3.70E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	residential	487679.5	3617328	2.01E-06	30YrCancer	1.93E-06	7.70E-08	3.06E-09	3.41E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	residential	488030.6	3616925	2.01E-06	30YrCancer	1.94E-06	6.98E-08	2.77E-09	3.09E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
863	ALL	residential	486330.6	3618925	2.01E-06	30YrCancer	1.93E-06	7.72E-08	3.07E-09	3.42E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	ALL	residential	487729.5	3617289	2.00E-06	30YrCancer	1.92E-06	7.62E-08	3.02E-09	3.37E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
58	ALL	residential	487704.5	3617309	2.00E-06	30YrCancer	1.92E-06	7.66E-08	3.04E-09	3.39E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	residential	487585.3	3617400	2.00E-06	30YrCancer	1.92E-06	7.80E-08	3.10E-09	3.45E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
747	ALL	residential	486530.6	3618625	2.00E-06	30YrCancer	1.93E-06	7.20E-08	2.86E-09	3.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL	residential	487779.5	3617251	1.99E-06	30YrCancer	1.91E-06	7.51E-08	2.98E-09	3.33E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL	residential	487754.5	3617270	1.99E-06	30YrCancer	1.91E-06	7.57E-08	3.01E-09	3.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	residential	487622.3	3617382	1.99E-06	30YrCancer	1.91E-06	7.68E-08	3.05E-09	3.40E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	residential	487656.4	3617366	1.99E-06	30YrCancer	1.91E-06	7.56E-08	3.00E-09	3.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	residential	485130.6	3619025	1.99E-06	30YrCancer	1.91E-06	7.47E-08	2.97E-09	3.31E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL	residential	487679.5	3617347	1.98E-06	30YrCancer	1.90E-06	7.55E-08	3.00E-09	3.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	residential	488130.6	3616725	1.98E-06	30YrCancer	1.91E-06	6.74E-08	2.67E-09	2.98E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822	ALL	residential	486430.6	3618825	1.98E-06	30YrCancer	1.91E-06	7.38E-08	2.93E-09	3.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	ALL	residential	484930.6	3618825	1.97E-06	30YrCancer	1.91E-06	6.20E-08	2.46E-09	2.74E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1082	ALL	residential	485830.6	3619325	1.97E-06	30YrCancer	1.89E-06	7.88E-08	3.13E-09	3.49E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL	residential	487754.5	3617289	1.96E-06	30YrCancer	1.88E-06	7.44E-08	2.96E-09	3.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	residential	487729.5	3617309	1.96E-06	30YrCancer	1.88E-06	7.48E-08	2.97E-09	3.31E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	residential	487704.5	3617328	1.96E-06	30YrCancer	1.89E-06	7.52E-08	2.99E-09	3.33E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	residential	487640.8	3617382	1.96E-06	30YrCancer	1.88E-06	7.55E-08	3.00E-09	3.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	residential	485030.6	3618925	1.96E-06	30YrCancer	1.89E-06	6.76E-08	2.68E-09	2.99E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1026	ALL	residential	486030.6	3619225	1.96E-06	30YrCancer	1.88E-06	7.88E-08	3.13E-09	3.49E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1078	ALL	residential	485430.6	3619325	1.96E-06	30YrCancer	1.87E-06	8.03E-08	3.19E-09	3.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL	residential	487804.5	3617251	1.95E-06	30YrCancer	1.87E-06	7.35E-08	2.92E-09	3.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL	residential	487779.5	3617270	1.95E-06	30YrCancer	1.88E-06	7.40E-08	2.94E-09	3.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	residential	488130.6	3616825	1.95E-06	30YrCancer	1.88E-06	6.65E-08	2.64E-09	2.94E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	ALL	residential	486930.6	3617825	1.95E-06	30YrCancer	1.86E-06	8.23E-08	3.27E-09	3.64E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	residential	486630.6	3618325	1.94E-06	30YrCancer	1.87E-06	6.93E-08	2.75E-09	3.07E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	residential	488030.6	3617025	1.93E-06	30YrCancer	1.86E-06	6.91E-08	2.74E-09	3.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL	residential	487779.5	3617289	1.92E-06	30YrCancer	1.84E-06	7.28E-08	2.89E-09	3.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	residential	487754.5	3617309	1.92E-06	30YrCancer	1.84E-06	7.31E-08	2.90E-09	3.24E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	residential	487729.5	3617328	1.92E-06	30YrCancer	1.84E-06	7.34E-08	2.92E-09	3.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	residential	487704.5	3617347	1.92E-06	30YrCancer	1.85E-06	7.37E-08	2.93E-09	3.26E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL	residential	487829.5	3617251	1.91E-06	30YrCancer	1.84E-06	7.19E-08	2.85E-09	3.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL	residential	487804.5	3617270	1.91E-06	30YrCancer	1.84E-06	7.23E-08	2.87E-09	3.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	ALL	residential	486530.6	3618725	1.91E-06	30YrCancer	1.84E-06	6.87E-08	2.73E-09	3.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	ALL	residential	484830.6	3618825	1.91E-06	30YrCancer	1.85E-06	5.21E-08	2.07E-09	2.31E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	residential	488130.6	3616925	1.90E-06	30YrCancer	1.83E-06	6.65E-08	2.64E-09	2.94E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	residential	484330.6	3617625	1.90E-06	30YrCancer	1.84E-06	5.51E-08	2.19E-09	2.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	residential	484030.6	3617925	1.90E-06	30YrCancer	1.85E-06	4.42E-08	1.75E-09	1.95E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	residential	483930.6	3618025	1.90E-06	30YrCancer	1.86E-06	4.05E-08	1.61E-09	1.79E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	ALL	residential	486630.6	3618425	1.90E-06	30YrCancer	1.83E-06	6.67E-08	2.65E-09	2.95E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1083	ALL	residential	485930.6	3619325	1.90E-06	30YrCancer	1.82E-06	7.55E-08	3.00E-09	3.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	residential	488230.6	3616625	1.89E-06	30YrCancer	1.83E-06	6.36E-08	2.53E-09	2.82E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	residential	484230.6	3617725	1.89E-06	30YrCancer	1.84E-06	5.14E-08	2.04E-09	2.28E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	residential	484130.6	3617825	1.89E-06	30YrCancer	1.84E-06	4.76E-08	1.89E-09	2.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL	residential	487829.5	3617270	1.88E-06	30YrCancer	1.80E-06	7.07E-08	2.81E-09	3.13E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL	residential	487804.5	3617289	1.88E-06	30YrCancer	1.81E-06	7.11E-08	2.82E-09	3.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	residential	487779.5	3617309	1.88E-06	30YrCancer	1.81E-06	7.15E-08	2.84E-09	3.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	residential	487754.5	3617328	1.88E-06	30YrCancer	1.81E-06	7.18E-08	2.85E-09	3.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL	residential	487729.5	3617347	1.88E-06	30YrCancer	1.81E-06	7.20E-08	2.86E-09	3.19E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	residential	488230.6	3616725	1.88E-06	30YrCancer	1.81E-06	6.32E-08	2.51E-09	2.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
315	ALL	residential	484530.6	3617425	1.88E-06	30YrCancer	1.82E-06	6.26E-08	2.49E-09	2.77E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	residential	484430.6	3617525	1.88E-06	30YrCancer	1.82E-06	5.86E-08	2.33E-09	2.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	residential	486830.6	3617925	1.88E-06	30YrCancer	1.80E-06	7.68E-08	3.05E-09	3.40E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	residential	486330.6	3619025	1.88E-06	30YrCancer	1.80E-06	7.18E-08	2.85E-09	3.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1138	ALL	residential	485630.6	3619425	1.88E-06	30YrCancer	1.80E-06	7.58E-08	3.01E-09	3.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL	residential	487854.5	3617251	1.87E-06	30YrCancer	1.80E-06	7.03E-08	2.79E-09	3.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL	residential	486230.6	3619125	1.87E-06	30YrCancer	1.80E-06	7.36E-08	2.92E-09	3.26E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1018	ALL	residential	485230.6	3619225	1.87E-06	30YrCancer	1.80E-06	7.33E-08	2.91E-09	3.24E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	residential	486430.6	3618925	1.86E-06	30YrCancer	1.79E-06	6.90E-08	2.74E-09	3.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1077	ALL	residential	485330.6	3619325	1.86E-06	30YrCancer	1.78E-06	7.45E-08	2.96E-09	3.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1137	ALL	residential	485530.6	3619425	1.86E-06	30YrCancer	1.78E-06	7.49E-08	2.97E-09	3.31E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1139	ALL	residential	485730.6	3619425	1.86E-06	30YrCancer	1.79E-06	7.40E-08	2.94E-09	3.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	residential	486630.6	3618525	1.85E-06	30YrCancer	1.78E-06	6.45E-08	2.56E-09	2.85E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	residential	485130.6	3619125	1.85E-06	30YrCancer	1.78E-06	6.88E-08	2.73E-09	3.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL	residential	487854.5	3617270	1.84E-06	30YrCancer	1.77E-06	6.92E-08	2.75E-09	3.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL	residential	487829.5	3617289	1.84E-06	30YrCancer	1.77E-06	6.95E-08	2.76E-09	3.08E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	residential	487804.5	3617309	1.84E-06	30YrCancer	1.77E-06	6.99E-08	2.77E-09	3.09E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	residential	487779.5	3617328	1.84E-06	30YrCancer	1.77E-06	7.01E-08	2.79E-09	3.10E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	residential	487754.5	3617347	1.84E-06	30YrCancer	1.77E-06	7.04E-08	2.79E-09	3.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	residential	488230.6	3616825	1.84E-06	30YrCancer	1.78E-06	6.33E-08	2.51E-09	2.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	residential	484930.6	3618925	1.84E-06	30YrCancer	1.78E-06	5.79E-08	2.30E-09	2.56E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	residential	485030.6	3619025	1.83E-06	30YrCancer	1.76E-06	6.25E-08	2.48E-09	2.77E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1140	ALL	residential	485830.6	3619425	1.82E-06	30YrCancer	1.75E-06	7.14E-08	2.83E-09	3.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL	residential	487854.5	3617289	1.81E-06	30YrCancer	1.74E-06	6.80E-08	2.70E-09	3.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	residential	487829.5	3617309	1.81E-06	30YrCancer	1.74E-06	6.83E-08	2.71E-09	3.02E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	residential	487804.5	3617328	1.81E-06	30YrCancer	1.74E-06	6.86E-08	2.72E-09	3.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	residential	487779.5	3617347	1.81E-06	30YrCancer	1.73E-06	6.88E-08	2.73E-09	3.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	residential	488330.6	3616625	1.81E-06	30YrCancer	1.74E-06	6.10E-08	2.42E-09	2.70E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	residential	488130.6	3617025	1.81E-06	30YrCancer	1.74E-06	6.41E-08	2.55E-09	2.84E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823	ALL	residential	486530.6	3618825	1.81E-06	30YrCancer	1.75E-06	6.52E-08	2.59E-09	2.89E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1084	ALL	residential	486030.6	3619325	1.81E-06	30YrCancer	1.74E-06	7.13E-08	2.83E-09	3.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	residential	488330.6	3616525	1.80E-06	30YrCancer	1.74E-06	6.01E-08	2.39E-09	2.66E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1136	ALL	residential	485430.6	3619425	1.80E-06	30YrCancer	1.73E-06	7.22E-08	2.87E-09	3.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	ALL	residential	486630.6	3618625	1.79E-06	30YrCancer	1.72E-06	6.20E-08	2.46E-09	2.74E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	residential	487854.5	3617309	1.78E-06	30YrCancer	1.71E-06	6.68E-08	2.65E-09	2.96E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	residential	488330.6	3616725	1.78E-06	30YrCancer	1.72E-06	6.05E-08	2.40E-09	2.68E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	residential	488230.6	3616925	1.78E-06	30YrCancer	1.72E-06	6.21E-08	2.47E-09	2.75E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	residential	487829.5	3617328	1.77E-06	30YrCancer	1.70E-06	6.70E-08	2.66E-09	2.97E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	residential	487804.5	3617347	1.77E-06	30YrCancer	1.70E-06	6.72E-08	2.67E-09	2.97E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	residential	484230.6	3617625	1.77E-06	30YrCancer	1.72E-06	4.91E-08	1.95E-09	2.17E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	residential	484130.6	3617725	1.77E-06	30YrCancer	1.72E-06	4.59E-08	1.82E-09	2.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	residential	484030.6	3617825	1.77E-06	30YrCancer	1.72E-06	4.29E-08	1.70E-09	1.90E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	residential	483930.6	3617925	1.77E-06	30YrCancer	1.73E-06	4.00E-08	1.59E-09	1.77E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	ALL	residential	483830.6	3618025	1.77E-06	30YrCancer	1.73E-06	3.69E-08	1.47E-09	1.63E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	residential	484830.6	3618925	1.77E-06	30YrCancer	1.72E-06	4.93E-08	1.96E-09	2.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL	residential	486330.6	3619125	1.76E-06	30YrCancer	1.69E-06	6.69E-08	2.66E-09	2.96E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1141	ALL	residential	485930.6	3619425	1.76E-06	30YrCancer	1.69E-06	6.84E-08	2.72E-09	3.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	ALL	residential	484330.6	3617525	1.75E-06	30YrCancer	1.70E-06	5.17E-08	2.05E-09	2.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	residential	486730.6	3618225	1.75E-06	30YrCancer	1.69E-06	6.27E-08	2.49E-09	2.77E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
80	ALL	residential	487854.5	3617328	1.74E-06	30YrCancer	1.67E-06	6.55E-08	2.60E-09	2.90E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	residential	487829.5	3617347	1.74E-06	30YrCancer	1.67E-06	6.57E-08	2.61E-09	2.91E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	residential	488330.6	3616825	1.74E-06	30YrCancer	1.68E-06	5.98E-08	2.38E-09	2.65E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
919	ALL	residential	486430.6	3619025	1.74E-06	30YrCancer	1.68E-06	6.44E-08	2.56E-09	2.85E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1027	ALL	residential	486230.6	3619225	1.74E-06	30YrCancer	1.67E-06	6.78E-08	2.69E-09	3.00E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1076	ALL	residential	485230.6	3619325	1.74E-06	30YrCancer	1.67E-06	6.69E-08	2.66E-09	2.96E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1193	ALL	residential	485630.6	3619525	1.74E-06	30YrCancer	1.67E-06	6.82E-08	2.71E-09	3.02E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	residential	488430.6	3616525	1.73E-06	30YrCancer	1.67E-06	5.79E-08	2.30E-09	2.56E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	residential	484730.6	3618925	1.73E-06	30YrCancer	1.69E-06	4.21E-08	1.67E-09	1.87E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1017	ALL	residential	485130.6	3619225	1.73E-06	30YrCancer	1.67E-06	6.35E-08	2.52E-09	2.81E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1194	ALL	residential	485730.6	3619525	1.73E-06	30YrCancer	1.66E-06	6.72E-08	2.67E-09	2.97E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	residential	488430.6	3616625	1.72E-06	30YrCancer	1.66E-06	5.83E-08	2.31E-09	2.58E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	residential	486630.6	3618725	1.72E-06	30YrCancer	1.66E-06	5.98E-08	2.37E-09	2.65E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	residential	486530.6	3618925	1.72E-06	30YrCancer	1.65E-06	6.18E-08	2.45E-09	2.73E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	residential	484930.6	3619025	1.72E-06	30YrCancer	1.66E-06	5.30E-08	2.10E-09	2.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	residential	485030.6	3619125	1.72E-06	30YrCancer	1.66E-06	5.83E-08	2.32E-09	2.58E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1135	ALL	residential	485330.6	3619425	1.72E-06	30YrCancer	1.65E-06	6.73E-08	2.67E-09	2.98E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1192	ALL	residential	485530.6	3619525	1.72E-06	30YrCancer	1.65E-06	6.74E-08	2.68E-09	2.98E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	residential	487854.5	3617347	1.71E-06	30YrCancer	1.64E-06	6.43E-08	2.55E-09	2.84E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	ALL	residential	486730.6	3618325	1.71E-06	30YrCancer	1.65E-06	5.96E-08	2.37E-09	2.64E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	residential	488230.6	3617025	1.70E-06	30YrCancer	1.63E-06	6.00E-08	2.38E-09	2.65E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	residential	487230.6	3617725	1.70E-06	30YrCancer	1.63E-06	6.89E-08	2.74E-09	3.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	residential	488430.6	3616725	1.69E-06	30YrCancer	1.63E-06	5.76E-08	2.29E-09	2.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1195	ALL	residential	485830.6	3619525	1.69E-06	30YrCancer	1.62E-06	6.50E-08	2.58E-09	2.88E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	residential	488330.6	3616925	1.68E-06	30YrCancer	1.62E-06	5.84E-08	2.32E-09	2.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	ALL	residential	486730.6	3618425	1.68E-06	30YrCancer	1.62E-06	5.74E-08	2.28E-09	2.54E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1142	ALL	residential	486030.6	3619425	1.68E-06	30YrCancer	1.61E-06	6.49E-08	2.58E-09	2.87E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1191	ALL	residential	485430.6	3619525	1.67E-06	30YrCancer	1.60E-06	6.50E-08	2.58E-09	2.88E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	residential	484130.6	3617625	1.66E-06	30YrCancer	1.61E-06	4.41E-08	1.75E-09	1.95E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	residential	487430.6	3617625	1.66E-06	30YrCancer	1.59E-06	6.55E-08	2.60E-09	2.90E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	residential	484030.6	3617725	1.66E-06	30YrCancer	1.61E-06	4.13E-08	1.64E-09	1.83E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	residential	483930.6	3617825	1.66E-06	30YrCancer	1.62E-06	3.88E-08	1.54E-09	1.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	residential	483830.6	3617925	1.66E-06	30YrCancer	1.62E-06	3.64E-08	1.44E-09	1.61E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	residential	483730.6	3618025	1.66E-06	30YrCancer	1.62E-06	3.39E-08	1.35E-09	1.50E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	residential	483630.6	3618125	1.66E-06	30YrCancer	1.63E-06	3.14E-08	1.25E-09	1.39E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	residential	488530.6	3616425	1.65E-06	30YrCancer	1.59E-06	5.51E-08	2.19E-09	2.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	residential	488530.6	3616525	1.65E-06	30YrCancer	1.59E-06	5.55E-08	2.20E-09	2.45E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	residential	488430.6	3616825	1.65E-06	30YrCancer	1.59E-06	5.66E-08	2.25E-09	2.50E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	residential	487930.6	3617325	1.65E-06	30YrCancer	1.59E-06	6.15E-08	2.44E-09	2.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	residential	486730.6	3618525	1.65E-06	30YrCancer	1.59E-06	5.59E-08	2.22E-09	2.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824	ALL	residential	486630.6	3618825	1.65E-06	30YrCancer	1.59E-06	5.74E-08	2.28E-09	2.54E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1028	ALL	residential	486330.6	3619225	1.65E-06	30YrCancer	1.58E-06	6.25E-08	2.48E-09	2.77E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	residential	488530.6	3616625	1.64E-06	30YrCancer	1.58E-06	5.52E-08	2.19E-09	2.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	residential	484230.6	3617525	1.64E-06	30YrCancer	1.59E-06	4.62E-08	1.83E-09	2.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	residential	484830.6	3619025	1.64E-06	30YrCancer	1.59E-06	4.53E-08	1.80E-09	2.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
973	ALL	residential	486430.6	3619125	1.64E-06	30YrCancer	1.58E-06	6.07E-08	2.41E-09	2.68E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	residential	487630.6	3617525	1.63E-06	30YrCancer	1.57E-06	6.32E-08	2.51E-09	2.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1196	ALL	residential	485930.6	3619525	1.63E-06	30YrCancer	1.57E-06	6.23E-08	2.47E-09	2.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	residential	486530.6	3619025	1.62E-06	30YrCancer	1.56E-06	5.81E-08	2.31E-09	2.57E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
1075	ALL	residential	485130.6	3619325	1.62E-06	30YrCancer	1.56E-06	5.87E-08	2.33E-09	2.60E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1085	ALL	residential	486230.6	3619325	1.62E-06	30YrCancer	1.56E-06	6.23E-08	2.47E-09	2.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1134	ALL	residential	485230.6	3619425	1.62E-06	30YrCancer	1.56E-06	6.13E-08	2.44E-09	2.71E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	residential	488530.6	3616725	1.61E-06	30YrCancer	1.55E-06	5.45E-08	2.16E-09	2.41E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	residential	487130.6	3617825	1.61E-06	30YrCancer	1.54E-06	6.40E-08	2.54E-09	2.83E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	residential	486830.6	3618125	1.61E-06	30YrCancer	1.55E-06	5.81E-08	2.31E-09	2.57E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	ALL	residential	486730.6	3618625	1.61E-06	30YrCancer	1.55E-06	5.44E-08	2.16E-09	2.41E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL	residential	484930.6	3619125	1.61E-06	30YrCancer	1.55E-06	4.92E-08	1.96E-09	2.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1234	ALL	residential	485630.6	3619625	1.61E-06	30YrCancer	1.55E-06	6.21E-08	2.47E-09	2.75E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	residential	484530.6	3619025	1.60E-06	30YrCancer	1.57E-06	3.08E-08	1.22E-09	1.36E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	residential	484730.6	3619025	1.60E-06	30YrCancer	1.56E-06	3.97E-08	1.58E-09	1.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1016	ALL	residential	485030.6	3619225	1.60E-06	30YrCancer	1.55E-06	5.43E-08	2.16E-09	2.40E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1190	ALL	residential	485330.6	3619525	1.60E-06	30YrCancer	1.53E-06	6.12E-08	2.43E-09	2.71E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1233	ALL	residential	485530.6	3619625	1.60E-06	30YrCancer	1.53E-06	6.14E-08	2.44E-09	2.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1235	ALL	residential	485730.6	3619625	1.60E-06	30YrCancer	1.54E-06	6.13E-08	2.44E-09	2.71E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	residential	488330.6	3617025	1.59E-06	30YrCancer	1.53E-06	5.59E-08	2.22E-09	2.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL	residential	484630.6	3619025	1.59E-06	30YrCancer	1.55E-06	3.48E-08	1.38E-09	1.54E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	residential	488630.6	3616325	1.58E-06	30YrCancer	1.52E-06	5.22E-08	2.07E-09	2.31E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	residential	488630.6	3616425	1.58E-06	30YrCancer	1.53E-06	5.27E-08	2.09E-09	2.33E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	residential	488630.6	3616525	1.58E-06	30YrCancer	1.52E-06	5.28E-08	2.10E-09	2.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	residential	488430.6	3616925	1.58E-06	30YrCancer	1.52E-06	5.48E-08	2.18E-09	2.42E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	residential	486630.6	3618925	1.58E-06	30YrCancer	1.52E-06	5.53E-08	2.20E-09	2.45E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	ALL	residential	483730.6	3617925	1.57E-06	30YrCancer	1.54E-06	3.33E-08	1.32E-09	1.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	residential	483630.6	3618025	1.57E-06	30YrCancer	1.54E-06	3.12E-08	1.24E-09	1.38E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	residential	483530.6	3618125	1.57E-06	30YrCancer	1.54E-06	2.92E-08	1.16E-09	1.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1197	ALL	residential	486030.6	3619525	1.57E-06	30YrCancer	1.51E-06	5.96E-08	2.37E-09	2.64E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1236	ALL	residential	485830.6	3619625	1.57E-06	30YrCancer	1.51E-06	5.95E-08	2.36E-09	2.63E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	residential	488630.6	3616625	1.56E-06	30YrCancer	1.51E-06	5.24E-08	2.08E-09	2.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	residential	488530.6	3616825	1.56E-06	30YrCancer	1.50E-06	5.33E-08	2.12E-09	2.36E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	residential	484030.6	3617625	1.56E-06	30YrCancer	1.52E-06	3.98E-08	1.58E-09	1.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	residential	483930.6	3617725	1.56E-06	30YrCancer	1.52E-06	3.74E-08	1.49E-09	1.66E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	residential	487330.6	3617725	1.56E-06	30YrCancer	1.49E-06	6.15E-08	2.44E-09	2.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	ALL	residential	483830.6	3617825	1.56E-06	30YrCancer	1.53E-06	3.53E-08	1.40E-09	1.56E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	residential	486830.6	3618225	1.56E-06	30YrCancer	1.50E-06	5.43E-08	2.16E-09	2.40E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	ALL	residential	486730.6	3618725	1.56E-06	30YrCancer	1.50E-06	5.26E-08	2.09E-09	2.33E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	residential	484230.6	3617425	1.55E-06	30YrCancer	1.50E-06	4.39E-08	1.74E-09	1.94E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	residential	484130.6	3617525	1.55E-06	30YrCancer	1.51E-06	4.16E-08	1.65E-09	1.84E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1232	ALL	residential	485430.6	3619625	1.55E-06	30YrCancer	1.49E-06	5.91E-08	2.35E-09	2.62E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	residential	485230.6	3615825	1.54E-06	30YrCancer	1.47E-06	6.69E-08	2.66E-09	2.96E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	residential	488030.6	3617325	1.54E-06	30YrCancer	1.48E-06	5.66E-08	2.25E-09	2.50E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	residential	487030.6	3617925	1.54E-06	30YrCancer	1.48E-06	5.91E-08	2.35E-09	2.62E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	ALL	residential	486930.6	3618025	1.54E-06	30YrCancer	1.48E-06	5.67E-08	2.25E-09	2.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1029	ALL	residential	486430.6	3619225	1.54E-06	30YrCancer	1.49E-06	5.68E-08	2.25E-09	2.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1086	ALL	residential	486330.6	3619325	1.54E-06	30YrCancer	1.48E-06	5.82E-08	2.31E-09	2.57E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	residential	485330.6	3615725	1.53E-06	30YrCancer	1.46E-06	6.60E-08	2.62E-09	2.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	residential	488630.6	3616725	1.53E-06	30YrCancer	1.47E-06	5.16E-08	2.05E-09	2.28E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	residential	487530.6	3617625	1.53E-06	30YrCancer	1.47E-06	5.93E-08	2.35E-09	2.62E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
974	ALL	residential	486530.6	3619125	1.53E-06	30YrCancer	1.47E-06	5.50E-08	2.18E-09	2.43E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	residential	485430.6	3615625	1.52E-06	30YrCancer	1.45E-06	6.43E-08	2.55E-09	2.84E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
180	ALL	residential	488730.6	3616325	1.52E-06	30YrCancer	1.47E-06	5.01E-08	1.99E-09	2.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	residential	488730.6	3616425	1.52E-06	30YrCancer	1.47E-06	5.04E-08	2.00E-09	2.23E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	residential	487730.6	3617525	1.52E-06	30YrCancer	1.46E-06	5.77E-08	2.29E-09	2.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	ALL	residential	486830.6	3618325	1.52E-06	30YrCancer	1.47E-06	5.19E-08	2.06E-09	2.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	residential	484830.6	3619125	1.52E-06	30YrCancer	1.48E-06	4.18E-08	1.66E-09	1.85E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1133	ALL	residential	485130.6	3619425	1.52E-06	30YrCancer	1.46E-06	5.44E-08	2.16E-09	2.41E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1143	ALL	residential	486230.6	3619425	1.52E-06	30YrCancer	1.46E-06	5.76E-08	2.29E-09	2.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1237	ALL	residential	485930.6	3619625	1.52E-06	30YrCancer	1.46E-06	5.72E-08	2.27E-09	2.53E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	residential	488730.6	3616225	1.51E-06	30YrCancer	1.46E-06	4.96E-08	1.97E-09	2.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	residential	488730.6	3616525	1.51E-06	30YrCancer	1.46E-06	5.02E-08	1.99E-09	2.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	residential	486630.6	3619025	1.51E-06	30YrCancer	1.45E-06	5.28E-08	2.10E-09	2.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1074	ALL	residential	485030.6	3619325	1.51E-06	30YrCancer	1.45E-06	5.08E-08	2.02E-09	2.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1189	ALL	residential	485230.6	3619525	1.51E-06	30YrCancer	1.45E-06	5.60E-08	2.22E-09	2.48E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1275	ALL	residential	485630.6	3619725	1.51E-06	30YrCancer	1.45E-06	5.68E-08	2.26E-09	2.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825	ALL	residential	486730.6	3618825	1.50E-06	30YrCancer	1.45E-06	5.10E-08	2.03E-09	2.26E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1015	ALL	residential	484930.6	3619225	1.50E-06	30YrCancer	1.45E-06	4.61E-08	1.83E-09	2.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1198	ALL	residential	486130.6	3619525	1.50E-06	30YrCancer	1.44E-06	5.64E-08	2.24E-09	2.49E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1276	ALL	residential	485730.6	3619725	1.50E-06	30YrCancer	1.44E-06	5.62E-08	2.23E-09	2.49E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	residential	485530.6	3615525	1.49E-06	30YrCancer	1.43E-06	6.18E-08	2.46E-09	2.74E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	residential	488730.6	3616625	1.49E-06	30YrCancer	1.44E-06	4.97E-08	1.97E-09	2.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	residential	488530.6	3616925	1.49E-06	30YrCancer	1.44E-06	5.13E-08	2.04E-09	2.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	residential	488330.6	3617125	1.49E-06	30YrCancer	1.44E-06	5.26E-08	2.09E-09	2.33E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	residential	483630.6	3617925	1.49E-06	30YrCancer	1.46E-06	3.06E-08	1.22E-09	1.36E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	residential	483530.6	3618025	1.49E-06	30YrCancer	1.46E-06	2.88E-08	1.14E-09	1.28E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	residential	483430.6	3618125	1.49E-06	30YrCancer	1.46E-06	2.71E-08	1.08E-09	1.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	residential	483330.6	3618225	1.49E-06	30YrCancer	1.47E-06	2.53E-08	1.00E-09	1.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	ALL	residential	486830.6	3618425	1.49E-06	30YrCancer	1.44E-06	4.99E-08	1.98E-09	2.21E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	residential	484430.6	3619125	1.49E-06	30YrCancer	1.47E-06	2.62E-08	1.04E-09	1.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1231	ALL	residential	485330.6	3619625	1.49E-06	30YrCancer	1.43E-06	5.55E-08	2.21E-09	2.46E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1274	ALL	residential	485530.6	3619725	1.49E-06	30YrCancer	1.43E-06	5.64E-08	2.24E-09	2.50E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	residential	485230.6	3615725	1.48E-06	30YrCancer	1.41E-06	6.30E-08	2.50E-09	2.79E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	residential	488230.6	3617225	1.48E-06	30YrCancer	1.42E-06	5.27E-08	2.09E-09	2.33E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	residential	483930.6	3617625	1.48E-06	30YrCancer	1.44E-06	3.61E-08	1.43E-09	1.60E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	residential	483830.6	3617725	1.48E-06	30YrCancer	1.44E-06	3.41E-08	1.35E-09	1.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	residential	483730.6	3617825	1.48E-06	30YrCancer	1.45E-06	3.24E-08	1.29E-09	1.43E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	residential	484730.6	3619125	1.48E-06	30YrCancer	1.44E-06	3.62E-08	1.44E-09	1.60E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	residential	485330.6	3615625	1.47E-06	30YrCancer	1.40E-06	6.20E-08	2.46E-09	2.74E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	residential	488630.6	3616825	1.47E-06	30YrCancer	1.42E-06	5.02E-08	1.99E-09	2.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	ALL	residential	484230.6	3617325	1.47E-06	30YrCancer	1.42E-06	4.18E-08	1.66E-09	1.85E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	ALL	residential	484030.6	3617525	1.47E-06	30YrCancer	1.43E-06	3.78E-08	1.50E-09	1.67E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	residential	487230.6	3617825	1.47E-06	30YrCancer	1.41E-06	5.69E-08	2.26E-09	2.52E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	residential	486830.6	3618525	1.47E-06	30YrCancer	1.42E-06	4.89E-08	1.94E-09	2.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	residential	484530.6	3619125	1.47E-06	30YrCancer	1.44E-06	2.91E-08	1.16E-09	1.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1238	ALL	residential	486030.6	3619625	1.47E-06	30YrCancer	1.41E-06	5.48E-08	2.18E-09	2.42E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1277	ALL	residential	485830.6	3619725	1.47E-06	30YrCancer	1.41E-06	5.49E-08	2.18E-09	2.43E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	residential	488830.6	3616325	1.46E-06	30YrCancer	1.41E-06	4.80E-08	1.90E-09	2.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	residential	488830.6	3616425	1.46E-06	30YrCancer	1.41E-06	4.80E-08	1.91E-09	2.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	residential	484130.6	3617425	1.46E-06	30YrCancer	1.42E-06	3.94E-08	1.57E-09	1.75E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	residential	484630.6	3619125	1.46E-06	30YrCancer	1.43E-06	3.27E-08	1.30E-09	1.45E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
1087	ALL	residential	486430.6	3619325	1.46E-06	30YrCancer	1.40E-06	5.33E-08	2.12E-09	2.36E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	residential	485430.6	3615525	1.45E-06	30YrCancer	1.39E-06	6.02E-08	2.39E-09	2.67E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	ALL	residential	488830.6	3616225	1.45E-06	30YrCancer	1.40E-06	4.76E-08	1.89E-09	2.10E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	residential	488730.6	3616725	1.45E-06	30YrCancer	1.40E-06	4.87E-08	1.93E-09	2.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	residential	488130.6	3617325	1.45E-06	30YrCancer	1.39E-06	5.23E-08	2.08E-09	2.31E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	residential	486930.6	3618125	1.45E-06	30YrCancer	1.39E-06	5.06E-08	2.01E-09	2.24E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	ALL	residential	486830.6	3618625	1.45E-06	30YrCancer	1.40E-06	4.79E-08	1.90E-09	2.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	residential	486730.6	3618925	1.45E-06	30YrCancer	1.40E-06	4.94E-08	1.96E-09	2.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1030	ALL	residential	486530.6	3619225	1.45E-06	30YrCancer	1.40E-06	5.18E-08	2.06E-09	2.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1273	ALL	residential	485430.6	3619725	1.45E-06	30YrCancer	1.40E-06	5.45E-08	2.16E-09	2.41E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	residential	488830.6	3616525	1.44E-06	30YrCancer	1.39E-06	4.78E-08	1.90E-09	2.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1008	ALL	residential	484230.6	3619225	1.44E-06	30YrCancer	1.42E-06	2.07E-08	8.21E-10	9.14E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1144	ALL	residential	486330.6	3619425	1.44E-06	30YrCancer	1.39E-06	5.38E-08	2.14E-09	2.38E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	residential	485530.6	3615425	1.43E-06	30YrCancer	1.37E-06	5.80E-08	2.30E-09	2.57E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	residential	487430.6	3617725	1.43E-06	30YrCancer	1.38E-06	5.51E-08	2.19E-09	2.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
975	ALL	residential	486630.6	3619125	1.43E-06	30YrCancer	1.38E-06	5.01E-08	1.99E-09	2.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1064	ALL	residential	484030.6	3619325	1.43E-06	30YrCancer	1.41E-06	1.71E-08	6.79E-10	7.57E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1278	ALL	residential	485930.6	3619725	1.43E-06	30YrCancer	1.37E-06	5.29E-08	2.10E-09	2.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	residential	485230.6	3615625	1.42E-06	30YrCancer	1.36E-06	5.92E-08	2.35E-09	2.62E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	residential	485130.6	3615725	1.42E-06	30YrCancer	1.36E-06	5.91E-08	2.35E-09	2.61E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	residential	488830.6	3616625	1.42E-06	30YrCancer	1.37E-06	4.72E-08	1.87E-09	2.09E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	residential	487830.6	3617525	1.42E-06	30YrCancer	1.36E-06	5.30E-08	2.11E-09	2.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	residential	487630.6	3617625	1.42E-06	30YrCancer	1.37E-06	5.41E-08	2.15E-09	2.39E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	residential	483530.6	3617925	1.42E-06	30YrCancer	1.39E-06	2.83E-08	1.12E-09	1.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	residential	483430.6	3618025	1.42E-06	30YrCancer	1.39E-06	2.67E-08	1.06E-09	1.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	ALL	residential	483330.6	3618125	1.42E-06	30YrCancer	1.39E-06	2.53E-08	1.00E-09	1.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	residential	483230.6	3618225	1.42E-06	30YrCancer	1.40E-06	2.37E-08	9.43E-10	1.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	residential	483130.6	3618325	1.42E-06	30YrCancer	1.40E-06	2.22E-08	8.81E-10	9.82E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1014	ALL	residential	484830.6	3619225	1.42E-06	30YrCancer	1.38E-06	3.92E-08	1.56E-09	1.73E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1132	ALL	residential	485030.6	3619425	1.42E-06	30YrCancer	1.37E-06	4.75E-08	1.89E-09	2.10E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1188	ALL	residential	485130.6	3619525	1.42E-06	30YrCancer	1.37E-06	5.02E-08	1.99E-09	2.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	residential	485330.6	3615525	1.41E-06	30YrCancer	1.35E-06	5.82E-08	2.31E-09	2.57E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	residential	483830.6	3617625	1.41E-06	30YrCancer	1.37E-06	3.30E-08	1.31E-09	1.46E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	residential	483730.6	3617725	1.41E-06	30YrCancer	1.37E-06	3.13E-08	1.24E-09	1.38E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	residential	483630.6	3617825	1.41E-06	30YrCancer	1.38E-06	2.98E-08	1.18E-09	1.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	residential	487130.6	3617925	1.41E-06	30YrCancer	1.36E-06	5.29E-08	2.10E-09	2.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	ALL	residential	486830.6	3618725	1.41E-06	30YrCancer	1.36E-06	4.66E-08	1.85E-09	2.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1073	ALL	residential	484930.6	3619325	1.41E-06	30YrCancer	1.36E-06	4.36E-08	1.73E-09	1.93E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1230	ALL	residential	485230.6	3619625	1.41E-06	30YrCancer	1.36E-06	5.12E-08	2.03E-09	2.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1314	ALL	residential	485630.6	3619825	1.41E-06	30YrCancer	1.35E-06	5.24E-08	2.08E-09	2.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	residential	488930.6	3616225	1.40E-06	30YrCancer	1.35E-06	4.55E-08	1.81E-09	2.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	residential	488930.6	3616325	1.40E-06	30YrCancer	1.36E-06	4.58E-08	1.82E-09	2.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	residential	488930.6	3616425	1.40E-06	30YrCancer	1.35E-06	4.58E-08	1.82E-09	2.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	residential	488430.6	3617125	1.40E-06	30YrCancer	1.35E-06	4.89E-08	1.94E-09	2.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	residential	483930.6	3617525	1.40E-06	30YrCancer	1.37E-06	3.45E-08	1.37E-09	1.53E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	residential	487030.6	3618025	1.40E-06	30YrCancer	1.35E-06	5.03E-08	2.00E-09	2.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	residential	486930.6	3618225	1.40E-06	30YrCancer	1.35E-06	4.76E-08	1.89E-09	2.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1239	ALL	residential	486130.6	3619625	1.40E-06	30YrCancer	1.35E-06	5.22E-08	2.07E-09	2.31E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1313	ALL	residential	485530.6	3619825	1.40E-06	30YrCancer	1.34E-06	5.21E-08	2.07E-09	2.31E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
1315	ALL	residential	485730.6	3619825	1.40E-06	30YrCancer	1.35E-06	5.17E-08	2.05E-09	2.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	residential	485430.6	3615425	1.39E-06	30YrCancer	1.33E-06	5.65E-08	2.24E-09	2.50E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	residential	488930.6	3616125	1.39E-06	30YrCancer	1.35E-06	4.51E-08	1.79E-09	2.00E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	residential	484130.6	3617325	1.39E-06	30YrCancer	1.35E-06	3.78E-08	1.50E-09	1.67E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	residential	484030.6	3617425	1.39E-06	30YrCancer	1.35E-06	3.58E-08	1.42E-09	1.58E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	residential	486730.6	3619025	1.39E-06	30YrCancer	1.34E-06	4.75E-08	1.89E-09	2.10E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1009	ALL	residential	484330.6	3619225	1.39E-06	30YrCancer	1.37E-06	2.24E-08	8.90E-10	9.91E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1272	ALL	residential	485330.6	3619725	1.39E-06	30YrCancer	1.34E-06	5.11E-08	2.03E-09	2.26E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	residential	488930.6	3616525	1.38E-06	30YrCancer	1.33E-06	4.54E-08	1.80E-09	2.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	residential	488830.6	3616725	1.38E-06	30YrCancer	1.33E-06	4.61E-08	1.83E-09	2.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	residential	488330.6	3617225	1.38E-06	30YrCancer	1.33E-06	4.88E-08	1.94E-09	2.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1279	ALL	residential	486030.6	3619725	1.38E-06	30YrCancer	1.33E-06	5.08E-08	2.02E-09	2.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1316	ALL	residential	485830.6	3619825	1.38E-06	30YrCancer	1.32E-06	5.05E-08	2.00E-09	2.23E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	residential	485130.6	3615625	1.37E-06	30YrCancer	1.31E-06	5.58E-08	2.21E-09	2.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	residential	483030.6	3618325	1.37E-06	30YrCancer	1.35E-06	2.10E-08	8.32E-10	9.27E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	ALL	residential	486930.6	3618325	1.37E-06	30YrCancer	1.32E-06	4.56E-08	1.81E-09	2.02E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826	ALL	residential	486830.6	3618825	1.37E-06	30YrCancer	1.32E-06	4.52E-08	1.80E-09	2.00E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1088	ALL	residential	486530.6	3619325	1.37E-06	30YrCancer	1.32E-06	4.89E-08	1.94E-09	2.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1145	ALL	residential	486430.6	3619425	1.37E-06	30YrCancer	1.32E-06	5.00E-08	1.98E-09	2.21E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	residential	485230.6	3615525	1.36E-06	30YrCancer	1.30E-06	5.57E-08	2.21E-09	2.46E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	residential	488230.6	3617325	1.36E-06	30YrCancer	1.31E-06	4.83E-08	1.92E-09	2.14E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	residential	487330.6	3617825	1.36E-06	30YrCancer	1.31E-06	5.13E-08	2.04E-09	2.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
527	ALL	residential	483330.6	3618025	1.36E-06	30YrCancer	1.33E-06	2.49E-08	9.89E-10	1.10E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	residential	483230.6	3618125	1.36E-06	30YrCancer	1.34E-06	2.36E-08	9.37E-10	1.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	residential	483130.6	3618225	1.36E-06	30YrCancer	1.34E-06	2.23E-08	8.86E-10	9.88E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1010	ALL	residential	484430.6	3619225	1.36E-06	30YrCancer	1.34E-06	2.47E-08	9.79E-10	1.09E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1013	ALL	residential	484730.6	3619225	1.36E-06	30YrCancer	1.33E-06	3.35E-08	1.33E-09	1.48E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1031	ALL	residential	486630.6	3619225	1.36E-06	30YrCancer	1.31E-06	4.73E-08	1.88E-09	2.09E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1312	ALL	residential	485430.6	3619825	1.36E-06	30YrCancer	1.31E-06	5.05E-08	2.00E-09	2.23E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	residential	485330.6	3615425	1.35E-06	30YrCancer	1.29E-06	5.47E-08	2.17E-09	2.42E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	residential	489030.6	3616125	1.35E-06	30YrCancer	1.30E-06	4.33E-08	1.72E-09	1.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	residential	489030.6	3616225	1.35E-06	30YrCancer	1.31E-06	4.36E-08	1.73E-09	1.93E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	residential	489030.6	3616325	1.35E-06	30YrCancer	1.30E-06	4.38E-08	1.74E-09	1.94E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	residential	488930.6	3616625	1.35E-06	30YrCancer	1.31E-06	4.47E-08	1.78E-09	1.98E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	residential	483530.6	3617825	1.35E-06	30YrCancer	1.32E-06	2.76E-08	1.10E-09	1.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	residential	483430.6	3617925	1.35E-06	30YrCancer	1.33E-06	2.63E-08	1.04E-09	1.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1065	ALL	residential	484130.6	3619325	1.35E-06	30YrCancer	1.33E-06	1.80E-08	7.16E-10	7.98E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	residential	489030.6	3616025	1.34E-06	30YrCancer	1.29E-06	4.28E-08	1.70E-09	1.89E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	residential	489030.6	3616425	1.34E-06	30YrCancer	1.30E-06	4.36E-08	1.73E-09	1.93E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	residential	483730.6	3617625	1.34E-06	30YrCancer	1.30E-06	3.03E-08	1.20E-09	1.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	residential	483630.6	3617725	1.34E-06	30YrCancer	1.31E-06	2.88E-08	1.15E-09	1.28E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	ALL	residential	486930.6	3618425	1.34E-06	30YrCancer	1.30E-06	4.39E-08	1.74E-09	1.94E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1011	ALL	residential	484530.6	3619225	1.34E-06	30YrCancer	1.32E-06	2.67E-08	1.06E-09	1.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1012	ALL	residential	484630.6	3619225	1.34E-06	30YrCancer	1.31E-06	2.94E-08	1.17E-09	1.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1317	ALL	residential	485930.6	3619825	1.34E-06	30YrCancer	1.29E-06	4.87E-08	1.93E-09	2.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	residential	484130.6	3617225	1.33E-06	30YrCancer	1.29E-06	3.60E-08	1.43E-09	1.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	residential	484030.6	3617325	1.33E-06	30YrCancer	1.29E-06	3.43E-08	1.36E-09	1.52E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	residential	483830.6	3617525	1.33E-06	30YrCancer	1.30E-06	3.17E-08	1.26E-09	1.40E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	ALL	residential	487930.6	3617525	1.33E-06	30YrCancer	1.28E-06	4.89E-08	1.94E-09	2.17E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_F	EGG_RISK
383	ALL	residential	487730.6	3617625	1.33E-06	30YrCancer	1.28E-06	4.96E-08	1.97E-09	2.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	residential	487530.6	3617725	1.33E-06	30YrCancer	1.28E-06	5.00E-08	1.99E-09	2.21E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	residential	486830.6	3618925	1.33E-06	30YrCancer	1.28E-06	4.39E-08	1.74E-09	1.94E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
976	ALL	residential	486730.6	3619125	1.33E-06	30YrCancer	1.29E-06	4.55E-08	1.81E-09	2.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1072	ALL	residential	484830.6	3619325	1.33E-06	30YrCancer	1.30E-06	3.73E-08	1.48E-09	1.65E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1131	ALL	residential	484930.6	3619425	1.33E-06	30YrCancer	1.29E-06	4.12E-08	1.64E-09	1.82E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1187	ALL	residential	485030.6	3619525	1.33E-06	30YrCancer	1.28E-06	4.43E-08	1.76E-09	1.96E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1229	ALL	residential	485130.6	3619625	1.33E-06	30YrCancer	1.28E-06	4.64E-08	1.84E-09	2.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1271	ALL	residential	485230.6	3619725	1.33E-06	30YrCancer	1.28E-06	4.74E-08	1.88E-09	2.10E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	residential	485030.6	3615625	1.32E-06	30YrCancer	1.27E-06	5.20E-08	2.06E-09	2.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	residential	489030.6	3616525	1.32E-06	30YrCancer	1.28E-06	4.32E-08	1.72E-09	1.91E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	residential	483930.6	3617425	1.32E-06	30YrCancer	1.29E-06	3.27E-08	1.30E-09	1.45E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	residential	486930.6	3618525	1.32E-06	30YrCancer	1.28E-06	4.31E-08	1.71E-09	1.91E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1356	ALL	residential	485630.6	3619925	1.32E-06	30YrCancer	1.27E-06	4.86E-08	1.93E-09	2.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	ALL	residential	488930.6	3616725	1.31E-06	30YrCancer	1.26E-06	4.35E-08	1.73E-09	1.93E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	ALL	residential	483130.6	3618125	1.31E-06	30YrCancer	1.28E-06	2.21E-08	8.79E-10	9.80E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	residential	487030.6	3618125	1.31E-06	30YrCancer	1.27E-06	4.48E-08	1.78E-09	1.98E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	residential	483030.6	3618225	1.31E-06	30YrCancer	1.29E-06	2.10E-08	8.34E-10	9.29E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	ALL	residential	486930.6	3618625	1.31E-06	30YrCancer	1.26E-06	4.25E-08	1.69E-09	1.88E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1311	ALL	residential	485330.6	3619825	1.31E-06	30YrCancer	1.26E-06	4.76E-08	1.89E-09	2.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1355	ALL	residential	485530.6	3619925	1.31E-06	30YrCancer	1.26E-06	4.82E-08	1.91E-09	2.13E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1357	ALL	residential	485730.6	3619925	1.31E-06	30YrCancer	1.26E-06	4.77E-08	1.90E-09	2.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	residential	489130.6	3616125	1.30E-06	30YrCancer	1.26E-06	4.17E-08	1.65E-09	1.84E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	residential	489130.6	3616225	1.30E-06	30YrCancer	1.26E-06	4.18E-08	1.66E-09	1.85E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	residential	489130.6	3616325	1.30E-06	30YrCancer	1.26E-06	4.19E-08	1.66E-09	1.85E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	residential	487230.6	3617925	1.30E-06	30YrCancer	1.25E-06	4.75E-08	1.89E-09	2.10E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	residential	483230.6	3618025	1.30E-06	30YrCancer	1.28E-06	2.33E-08	9.25E-10	1.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1066	ALL	residential	484230.6	3619325	1.30E-06	30YrCancer	1.28E-06	1.93E-08	7.65E-10	8.52E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1146	ALL	residential	486530.6	3619425	1.30E-06	30YrCancer	1.25E-06	4.60E-08	1.83E-09	2.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1318	ALL	residential	486030.6	3619825	1.30E-06	30YrCancer	1.25E-06	4.69E-08	1.86E-09	2.08E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	residential	489130.6	3616025	1.29E-06	30YrCancer	1.25E-06	4.13E-08	1.64E-09	1.83E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	residential	489130.6	3616425	1.29E-06	30YrCancer	1.24E-06	4.17E-08	1.66E-09	1.84E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	residential	489030.6	3616625	1.29E-06	30YrCancer	1.25E-06	4.24E-08	1.69E-09	1.88E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	residential	488430.6	3617225	1.29E-06	30YrCancer	1.25E-06	4.52E-08	1.80E-09	2.00E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	residential	483330.6	3617925	1.29E-06	30YrCancer	1.27E-06	2.45E-08	9.73E-10	1.08E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1089	ALL	residential	486630.6	3619325	1.29E-06	30YrCancer	1.24E-06	4.47E-08	1.77E-09	1.98E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1122	ALL	residential	484030.6	3619425	1.29E-06	30YrCancer	1.28E-06	1.63E-08	6.46E-10	7.20E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1354	ALL	residential	485430.6	3619925	1.29E-06	30YrCancer	1.24E-06	4.69E-08	1.86E-09	2.07E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1358	ALL	residential	485830.6	3619925	1.29E-06	30YrCancer	1.24E-06	4.65E-08	1.85E-09	2.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	residential	489130.6	3615925	1.28E-06	30YrCancer	1.24E-06	4.06E-08	1.61E-09	1.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	residential	483530.6	3617725	1.28E-06	30YrCancer	1.25E-06	2.67E-08	1.06E-09	1.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	residential	483430.6	3617825	1.28E-06	30YrCancer	1.25E-06	2.56E-08	1.02E-09	1.14E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	residential	487130.6	3618025	1.28E-06	30YrCancer	1.24E-06	4.51E-08	1.79E-09	2.00E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	ALL	residential	486930.6	3618725	1.28E-06	30YrCancer	1.24E-06	4.14E-08	1.65E-09	1.83E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
923	ALL	residential	486830.6	3619025	1.28E-06	30YrCancer	1.24E-06	4.23E-08	1.68E-09	1.87E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1071	ALL	residential	484730.6	3619325	1.28E-06	30YrCancer	1.25E-06	3.20E-08	1.27E-09	1.42E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	residential	489130.6	3616525	1.27E-06	30YrCancer	1.22E-06	4.11E-08	1.63E-09	1.82E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	residential	484130.6	3617125	1.27E-06	30YrCancer	1.24E-06	3.43E-08	1.36E-09	1.52E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	residential	484030.6	3617225	1.27E-06	30YrCancer	1.23E-06	3.29E-08	1.31E-09	1.46E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
301	ALL	residential	488330.6	3617325	1.27E-06	30YrCancer	1.23E-06	4.47E-08	1.77E-09	1.98E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	residential	483730.6	3617525	1.27E-06	30YrCancer	1.24E-06	2.93E-08	1.16E-09	1.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	residential	483630.6	3617625	1.27E-06	30YrCancer	1.25E-06	2.80E-08	1.11E-09	1.24E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	residential	487030.6	3618225	1.27E-06	30YrCancer	1.22E-06	4.20E-08	1.67E-09	1.86E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1032	ALL	residential	486730.6	3619225	1.27E-06	30YrCancer	1.22E-06	4.32E-08	1.72E-09	1.91E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	residential	483930.6	3617325	1.26E-06	30YrCancer	1.23E-06	3.14E-08	1.25E-09	1.39E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	residential	483830.6	3617425	1.26E-06	30YrCancer	1.23E-06	3.01E-08	1.20E-09	1.33E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	residential	487430.6	3617825	1.26E-06	30YrCancer	1.21E-06	4.63E-08	1.84E-09	2.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	residential	483030.6	3618125	1.26E-06	30YrCancer	1.24E-06	2.08E-08	8.26E-10	9.21E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1067	ALL	residential	484330.6	3619325	1.26E-06	30YrCancer	1.23E-06	2.00E-08	7.93E-10	8.84E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1130	ALL	residential	484830.6	3619425	1.26E-06	30YrCancer	1.22E-06	3.55E-08	1.41E-09	1.57E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1270	ALL	residential	485130.6	3619725	1.26E-06	30YrCancer	1.21E-06	4.34E-08	1.73E-09	1.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1310	ALL	residential	485230.6	3619825	1.26E-06	30YrCancer	1.21E-06	4.43E-08	1.76E-09	1.96E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1359	ALL	residential	485930.6	3619925	1.26E-06	30YrCancer	1.21E-06	4.50E-08	1.79E-09	1.99E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	residential	489030.6	3616725	1.25E-06	30YrCancer	1.20E-06	4.12E-08	1.64E-09	1.82E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	residential	488030.6	3617525	1.25E-06	30YrCancer	1.20E-06	4.53E-08	1.80E-09	2.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	residential	487830.6	3617625	1.25E-06	30YrCancer	1.20E-06	4.60E-08	1.83E-09	2.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	residential	487630.6	3617725	1.25E-06	30YrCancer	1.20E-06	4.59E-08	1.82E-09	2.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
827	ALL	residential	486930.6	3618825	1.25E-06	30YrCancer	1.21E-06	4.04E-08	1.60E-09	1.79E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1186	ALL	residential	484930.6	3619525	1.25E-06	30YrCancer	1.21E-06	3.87E-08	1.54E-09	1.71E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1228	ALL	residential	485030.6	3619625	1.25E-06	30YrCancer	1.21E-06	4.13E-08	1.64E-09	1.83E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	residential	488630.6	3617125	1.24E-06	30YrCancer	1.19E-06	4.24E-08	1.68E-09	1.88E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	residential	483230.6	3617925	1.24E-06	30YrCancer	1.21E-06	2.29E-08	9.10E-10	1.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	residential	483130.6	3618025	1.24E-06	30YrCancer	1.22E-06	2.19E-08	8.69E-10	9.68E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	ALL	residential	487030.6	3618325	1.24E-06	30YrCancer	1.20E-06	4.03E-08	1.60E-09	1.78E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
977	ALL	residential	486830.6	3619125	1.24E-06	30YrCancer	1.19E-06	4.08E-08	1.62E-09	1.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1070	ALL	residential	484630.6	3619325	1.24E-06	30YrCancer	1.22E-06	2.77E-08	1.10E-09	1.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1353	ALL	residential	485330.6	3619925	1.24E-06	30YrCancer	1.19E-06	4.44E-08	1.76E-09	1.97E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1399	ALL	residential	485530.6	3620025	1.24E-06	30YrCancer	1.19E-06	4.45E-08	1.77E-09	1.97E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1400	ALL	residential	485630.6	3620025	1.24E-06	30YrCancer	1.20E-06	4.46E-08	1.77E-09	1.97E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	residential	489130.6	3616625	1.23E-06	30YrCancer	1.19E-06	4.03E-08	1.60E-09	1.78E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	residential	483530.6	3617625	1.23E-06	30YrCancer	1.20E-06	2.59E-08	1.03E-09	1.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	residential	483430.6	3617725	1.23E-06	30YrCancer	1.20E-06	2.48E-08	9.87E-10	1.10E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	residential	483330.6	3617825	1.23E-06	30YrCancer	1.21E-06	2.39E-08	9.49E-10	1.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1068	ALL	residential	484430.6	3619325	1.23E-06	30YrCancer	1.21E-06	2.16E-08	8.60E-10	9.58E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1069	ALL	residential	484530.6	3619325	1.23E-06	30YrCancer	1.20E-06	2.42E-08	9.63E-10	1.07E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1123	ALL	residential	484130.6	3619425	1.23E-06	30YrCancer	1.21E-06	1.71E-08	6.79E-10	7.57E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1147	ALL	residential	486630.6	3619425	1.23E-06	30YrCancer	1.18E-06	4.22E-08	1.68E-09	1.87E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1401	ALL	residential	485730.6	3620025	1.23E-06	30YrCancer	1.19E-06	4.38E-08	1.74E-09	1.94E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	residential	483630.6	3617525	1.22E-06	30YrCancer	1.19E-06	2.71E-08	1.08E-09	1.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	ALL	residential	487030.6	3618425	1.22E-06	30YrCancer	1.18E-06	3.93E-08	1.56E-09	1.74E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	residential	486930.6	3618925	1.22E-06	30YrCancer	1.18E-06	3.93E-08	1.56E-09	1.74E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1360	ALL	residential	486030.6	3619925	1.22E-06	30YrCancer	1.17E-06	4.32E-08	1.72E-09	1.91E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	residential	483830.6	3617325	1.21E-06	30YrCancer	1.18E-06	2.88E-08	1.14E-09	1.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
307	ALL	residential	483730.6	3617425	1.21E-06	30YrCancer	1.18E-06	2.79E-08	1.11E-09	1.23E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	residential	482930.6	3618125	1.21E-06	30YrCancer	1.19E-06	1.96E-08	7.80E-10	8.69E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1090	ALL	residential	486730.6	3619325	1.21E-06	30YrCancer	1.17E-06	4.10E-08	1.63E-09	1.81E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1398	ALL	residential	485430.6	3620025	1.21E-06	30YrCancer	1.17E-06	4.36E-08	1.73E-09	1.93E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1402	ALL	residential	485830.6	3620025	1.21E-06	30YrCancer	1.17E-06	4.28E-08	1.70E-09	1.89E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
484	ALL	residential	483130.6	3617925	1.20E-06	30YrCancer	1.17E-06	2.15E-08	8.53E-10	9.50E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	residential	487330.6	3617925	1.20E-06	30YrCancer	1.16E-06	4.28E-08	1.70E-09	1.89E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	residential	483030.6	3618025	1.20E-06	30YrCancer	1.18E-06	2.06E-08	8.16E-10	9.10E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	residential	487130.6	3618125	1.20E-06	30YrCancer	1.16E-06	4.01E-08	1.59E-09	1.77E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	residential	487030.6	3618525	1.20E-06	30YrCancer	1.16E-06	3.85E-08	1.53E-09	1.71E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1129	ALL	residential	484730.6	3619425	1.20E-06	30YrCancer	1.16E-06	3.05E-08	1.21E-09	1.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	residential	489130.6	3616725	1.19E-06	30YrCancer	1.15E-06	3.90E-08	1.55E-09	1.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	residential	483230.6	3617825	1.19E-06	30YrCancer	1.17E-06	2.24E-08	8.88E-10	9.89E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	ALL	residential	487030.6	3618625	1.19E-06	30YrCancer	1.15E-06	3.79E-08	1.51E-09	1.68E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1033	ALL	residential	486830.6	3619225	1.19E-06	30YrCancer	1.15E-06	3.92E-08	1.56E-09	1.73E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1124	ALL	residential	484230.6	3619425	1.19E-06	30YrCancer	1.17E-06	1.76E-08	6.97E-10	7.77E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1269	ALL	residential	485030.6	3619725	1.19E-06	30YrCancer	1.15E-06	3.90E-08	1.55E-09	1.73E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1309	ALL	residential	485130.6	3619825	1.19E-06	30YrCancer	1.15E-06	4.08E-08	1.62E-09	1.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1352	ALL	residential	485230.6	3619925	1.19E-06	30YrCancer	1.15E-06	4.14E-08	1.65E-09	1.83E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1403	ALL	residential	485930.6	3620025	1.19E-06	30YrCancer	1.14E-06	4.15E-08	1.65E-09	1.84E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	residential	483530.6	3617525	1.18E-06	30YrCancer	1.15E-06	2.52E-08	9.99E-10	1.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351	ALL	residential	488130.6	3617525	1.18E-06	30YrCancer	1.14E-06	4.21E-08	1.67E-09	1.86E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	residential	483430.6	3617625	1.18E-06	30YrCancer	1.16E-06	2.41E-08	9.58E-10	1.07E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	residential	487930.6	3617625	1.18E-06	30YrCancer	1.14E-06	4.27E-08	1.70E-09	1.89E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	residential	483330.6	3617725	1.18E-06	30YrCancer	1.16E-06	2.32E-08	9.20E-10	1.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	residential	487230.6	3618025	1.18E-06	30YrCancer	1.14E-06	4.06E-08	1.61E-09	1.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	residential	486930.6	3619025	1.18E-06	30YrCancer	1.14E-06	3.81E-08	1.51E-09	1.68E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1177	ALL	residential	484030.6	3619525	1.18E-06	30YrCancer	1.17E-06	1.56E-08	6.18E-10	6.89E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1185	ALL	residential	484830.6	3619525	1.18E-06	30YrCancer	1.15E-06	3.37E-08	1.34E-09	1.49E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1227	ALL	residential	484930.6	3619625	1.18E-06	30YrCancer	1.14E-06	3.65E-08	1.45E-09	1.61E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	residential	483630.6	3617425	1.17E-06	30YrCancer	1.14E-06	2.59E-08	1.03E-09	1.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	residential	487730.6	3617725	1.17E-06	30YrCancer	1.13E-06	4.23E-08	1.68E-09	1.87E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	ALL	residential	487030.6	3618725	1.17E-06	30YrCancer	1.13E-06	3.69E-08	1.47E-09	1.63E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1397	ALL	residential	485330.6	3620025	1.17E-06	30YrCancer	1.13E-06	4.15E-08	1.65E-09	1.84E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1445	ALL	residential	485530.6	3620125	1.17E-06	30YrCancer	1.12E-06	4.12E-08	1.64E-09	1.82E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1446	ALL	residential	485630.6	3620125	1.17E-06	30YrCancer	1.13E-06	4.08E-08	1.62E-09	1.81E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	ALL	residential	483030.6	3617925	1.16E-06	30YrCancer	1.14E-06	2.02E-08	8.02E-10	8.93E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	residential	482930.6	3618025	1.16E-06	30YrCancer	1.14E-06	1.94E-08	7.69E-10	8.57E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	residential	487130.6	3618225	1.16E-06	30YrCancer	1.12E-06	3.73E-08	1.48E-09	1.65E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1128	ALL	residential	484630.6	3619425	1.16E-06	30YrCancer	1.13E-06	2.64E-08	1.05E-09	1.17E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1447	ALL	residential	485730.6	3620125	1.16E-06	30YrCancer	1.12E-06	4.02E-08	1.59E-09	1.78E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	residential	483230.6	3617725	1.15E-06	30YrCancer	1.12E-06	2.17E-08	8.62E-10	9.60E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	residential	483130.6	3617825	1.15E-06	30YrCancer	1.13E-06	2.10E-08	8.33E-10	9.28E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	residential	487030.6	3618825	1.15E-06	30YrCancer	1.11E-06	3.61E-08	1.43E-09	1.60E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1125	ALL	residential	484330.6	3619425	1.15E-06	30YrCancer	1.13E-06	1.84E-08	7.29E-10	8.12E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1148	ALL	residential	486730.6	3619425	1.15E-06	30YrCancer	1.11E-06	3.85E-08	1.53E-09	1.70E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1404	ALL	residential	486030.6	3620025	1.15E-06	30YrCancer	1.11E-06	3.99E-08	1.58E-09	1.77E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1444	ALL	residential	485430.6	3620125	1.15E-06	30YrCancer	1.11E-06	4.06E-08	1.61E-09	1.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	residential	483430.6	3617525	1.14E-06	30YrCancer	1.11E-06	2.35E-08	9.32E-10	1.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	residential	483330.6	3617625	1.14E-06	30YrCancer	1.12E-06	2.25E-08	8.95E-10	9.97E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
978	ALL	residential	486930.6	3619125	1.14E-06	30YrCancer	1.10E-06	3.68E-08	1.46E-09	1.63E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1126	ALL	residential	484430.6	3619425	1.14E-06	30YrCancer	1.11E-06	2.04E-08	8.12E-10	9.04E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1127	ALL	residential	484530.6	3619425	1.14E-06	30YrCancer	1.11E-06	2.30E-08	9.14E-10	1.02E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1351	ALL	residential	485130.6	3619925	1.14E-06	30YrCancer	1.10E-06	3.84E-08	1.53E-09	1.70E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
1448	ALL	residential	485830.6	3620125	1.14E-06	30YrCancer	1.10E-06	3.92E-08	1.56E-09	1.73E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	ALL	residential	487130.6	3618325	1.13E-06	30YrCancer	1.10E-06	3.58E-08	1.42E-09	1.58E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1091	ALL	residential	486830.6	3619325	1.13E-06	30YrCancer	1.10E-06	3.74E-08	1.49E-09	1.66E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1178	ALL	residential	484130.6	3619525	1.13E-06	30YrCancer	1.11E-06	1.60E-08	6.33E-10	7.06E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1184	ALL	residential	484730.6	3619525	1.13E-06	30YrCancer	1.10E-06	2.92E-08	1.16E-09	1.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1268	ALL	residential	484930.6	3619725	1.13E-06	30YrCancer	1.09E-06	3.49E-08	1.39E-09	1.54E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1308	ALL	residential	485030.6	3619825	1.13E-06	30YrCancer	1.09E-06	3.71E-08	1.47E-09	1.64E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1396	ALL	residential	485230.6	3620025	1.13E-06	30YrCancer	1.09E-06	3.90E-08	1.55E-09	1.73E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	residential	488230.6	3617525	1.12E-06	30YrCancer	1.08E-06	3.93E-08	1.56E-09	1.74E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	residential	488030.6	3617625	1.12E-06	30YrCancer	1.08E-06	3.99E-08	1.58E-09	1.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	ALL	residential	483030.6	3617825	1.12E-06	30YrCancer	1.10E-06	1.97E-08	7.83E-10	8.73E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	residential	482930.6	3617925	1.12E-06	30YrCancer	1.10E-06	1.90E-08	7.55E-10	8.42E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	ALL	residential	487430.6	3617925	1.12E-06	30YrCancer	1.08E-06	3.89E-08	1.55E-09	1.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	ALL	residential	487130.6	3618425	1.12E-06	30YrCancer	1.08E-06	3.51E-08	1.39E-09	1.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	residential	487030.6	3618925	1.12E-06	30YrCancer	1.08E-06	3.52E-08	1.40E-09	1.56E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1226	ALL	residential	484830.6	3619625	1.12E-06	30YrCancer	1.09E-06	3.23E-08	1.28E-09	1.43E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1443	ALL	residential	485330.6	3620125	1.12E-06	30YrCancer	1.08E-06	3.90E-08	1.55E-09	1.73E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1449	ALL	residential	485930.6	3620125	1.12E-06	30YrCancer	1.08E-06	3.81E-08	1.51E-09	1.69E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	residential	483130.6	3617725	1.11E-06	30YrCancer	1.09E-06	2.04E-08	8.09E-10	9.02E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	residential	487230.6	3618125	1.11E-06	30YrCancer	1.07E-06	3.60E-08	1.43E-09	1.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1034	ALL	residential	486930.6	3619225	1.11E-06	30YrCancer	1.07E-06	3.56E-08	1.41E-09	1.58E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	residential	488830.6	3617125	1.10E-06	30YrCancer	1.07E-06	3.69E-08	1.47E-09	1.63E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	residential	483230.6	3617625	1.10E-06	30YrCancer	1.08E-06	2.11E-08	8.37E-10	9.33E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	residential	487830.6	3617725	1.10E-06	30YrCancer	1.06E-06	3.93E-08	1.56E-09	1.74E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	residential	487330.6	3618025	1.10E-06	30YrCancer	1.06E-06	3.67E-08	1.46E-09	1.62E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL	residential	487130.6	3618525	1.10E-06	30YrCancer	1.06E-06	3.45E-08	1.37E-09	1.53E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	residential	488430.6	3617425	1.09E-06	30YrCancer	1.06E-06	3.77E-08	1.50E-09	1.67E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	residential	482830.6	3617925	1.09E-06	30YrCancer	1.07E-06	1.80E-08	7.13E-10	7.95E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	residential	487030.6	3619025	1.09E-06	30YrCancer	1.05E-06	3.43E-08	1.36E-09	1.52E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1179	ALL	residential	484230.6	3619525	1.09E-06	30YrCancer	1.08E-06	1.66E-08	6.59E-10	7.35E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1183	ALL	residential	484630.6	3619525	1.09E-06	30YrCancer	1.06E-06	2.55E-08	1.01E-09	1.13E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1218	ALL	residential	484030.6	3619625	1.09E-06	30YrCancer	1.07E-06	1.50E-08	5.96E-10	6.64E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1489	ALL	residential	485430.6	3620225	1.09E-06	30YrCancer	1.05E-06	3.79E-08	1.50E-09	1.68E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	residential	482930.6	3617825	1.08E-06	30YrCancer	1.06E-06	1.86E-08	7.38E-10	8.22E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	ALL	residential	487130.6	3618625	1.08E-06	30YrCancer	1.05E-06	3.39E-08	1.35E-09	1.50E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1149	ALL	residential	486830.6	3619425	1.08E-06	30YrCancer	1.04E-06	3.52E-08	1.40E-09	1.56E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1307	ALL	residential	484930.6	3619825	1.08E-06	30YrCancer	1.04E-06	3.33E-08	1.32E-09	1.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1350	ALL	residential	485030.6	3619925	1.08E-06	30YrCancer	1.04E-06	3.51E-08	1.40E-09	1.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1395	ALL	residential	485130.6	3620025	1.08E-06	30YrCancer	1.04E-06	3.62E-08	1.44E-09	1.60E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1442	ALL	residential	485230.6	3620125	1.08E-06	30YrCancer	1.04E-06	3.67E-08	1.46E-09	1.62E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	residential	489130.6	3616925	1.07E-06	30YrCancer	1.03E-06	3.51E-08	1.39E-09	1.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	residential	483030.6	3617725	1.07E-06	30YrCancer	1.05E-06	1.91E-08	7.60E-10	8.47E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
791	ALL	residential	487130.6	3618725	1.07E-06	30YrCancer	1.03E-06	3.32E-08	1.32E-09	1.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1180	ALL	residential	484330.6	3619525	1.07E-06	30YrCancer	1.05E-06	1.78E-08	7.08E-10	7.89E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1182	ALL	residential	484530.6	3619525	1.07E-06	30YrCancer	1.04E-06	2.23E-08	8.86E-10	9.87E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1225	ALL	residential	484730.6	3619625	1.07E-06	30YrCancer	1.05E-06	2.84E-08	1.13E-09	1.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1267	ALL	residential	484830.6	3619725	1.07E-06	30YrCancer	1.04E-06	3.10E-08	1.23E-09	1.37E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	residential	489030.6	3617025	1.06E-06	30YrCancer	1.02E-06	3.49E-08	1.39E-09	1.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	residential	488330.6	3617525	1.06E-06	30YrCancer	1.02E-06	3.65E-08	1.45E-09	1.62E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
387	ALL	residential	488130.6	3617625	1.06E-06	30YrCancer	1.02E-06	3.73E-08	1.48E-09	1.65E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
615	ALL	residential	487230.6	3618225	1.06E-06	30YrCancer	1.03E-06	3.34E-08	1.33E-09	1.48E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1092	ALL	residential	486930.6	3619325	1.06E-06	30YrCancer	1.03E-06	3.41E-08	1.36E-09	1.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1181	ALL	residential	484430.6	3619525	1.06E-06	30YrCancer	1.04E-06	1.98E-08	7.87E-10	8.77E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1488	ALL	residential	485330.6	3620225	1.06E-06	30YrCancer	1.02E-06	3.66E-08	1.45E-09	1.62E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263	ALL	residential	488930.6	3617125	1.05E-06	30YrCancer	1.01E-06	3.46E-08	1.37E-09	1.53E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	residential	487930.6	3617725	1.05E-06	30YrCancer	1.01E-06	3.69E-08	1.47E-09	1.63E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	ALL	residential	482830.6	3617825	1.05E-06	30YrCancer	1.03E-06	1.75E-08	6.96E-10	7.76E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	residential	487130.6	3618825	1.05E-06	30YrCancer	1.01E-06	3.24E-08	1.29E-09	1.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
979	ALL	residential	487030.6	3619125	1.05E-06	30YrCancer	1.02E-06	3.32E-08	1.32E-09	1.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1219	ALL	residential	484130.6	3619625	1.05E-06	30YrCancer	1.03E-06	1.53E-08	6.09E-10	6.79E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	ALL	residential	487230.6	3618325	1.04E-06	30YrCancer	1.01E-06	3.20E-08	1.27E-09	1.42E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1224	ALL	residential	484630.6	3619625	1.04E-06	30YrCancer	1.01E-06	2.49E-08	9.87E-10	1.10E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	residential	488830.6	3617225	1.03E-06	30YrCancer	9.92E-07	3.41E-08	1.35E-09	1.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	residential	488530.6	3617425	1.03E-06	30YrCancer	9.96E-07	3.50E-08	1.39E-09	1.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	ALL	residential	487230.6	3618425	1.03E-06	30YrCancer	9.95E-07	3.16E-08	1.26E-09	1.40E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	residential	487130.6	3618925	1.03E-06	30YrCancer	9.98E-07	3.18E-08	1.26E-09	1.41E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1266	ALL	residential	484730.6	3619725	1.03E-06	30YrCancer	9.99E-07	2.75E-08	1.09E-09	1.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1306	ALL	residential	484830.6	3619825	1.03E-06	30YrCancer	9.96E-07	2.98E-08	1.18E-09	1.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1349	ALL	residential	484930.6	3619925	1.03E-06	30YrCancer	9.95E-07	3.18E-08	1.26E-09	1.41E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1394	ALL	residential	485030.6	3620025	1.03E-06	30YrCancer	9.95E-07	3.33E-08	1.32E-09	1.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1441	ALL	residential	485130.6	3620125	1.03E-06	30YrCancer	9.96E-07	3.42E-08	1.36E-09	1.52E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1487	ALL	residential	485230.6	3620225	1.03E-06	30YrCancer	9.89E-07	3.46E-08	1.37E-09	1.53E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1531	ALL	residential	485430.6	3620325	1.03E-06	30YrCancer	9.98E-07	3.56E-08	1.41E-09	1.57E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	residential	487430.6	3618025	1.02E-06	30YrCancer	9.89E-07	3.35E-08	1.33E-09	1.48E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	residential	487330.6	3618125	1.02E-06	30YrCancer	9.91E-07	3.25E-08	1.29E-09	1.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1035	ALL	residential	487030.6	3619225	1.02E-06	30YrCancer	9.91E-07	3.23E-08	1.28E-09	1.43E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1150	ALL	residential	486930.6	3619425	1.02E-06	30YrCancer	9.85E-07	3.26E-08	1.29E-09	1.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1220	ALL	residential	484230.6	3619625	1.02E-06	30YrCancer	1.00E-06	1.60E-08	6.37E-10	7.10E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1223	ALL	residential	484530.6	3619625	1.02E-06	30YrCancer	9.93E-07	2.20E-08	8.73E-10	9.73E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	residential	489130.6	3617025	1.01E-06	30YrCancer	9.74E-07	3.28E-08	1.30E-09	1.45E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	residential	488230.6	3617625	1.01E-06	30YrCancer	9.77E-07	3.50E-08	1.39E-09	1.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL	residential	487230.6	3618525	1.01E-06	30YrCancer	9.81E-07	3.12E-08	1.24E-09	1.38E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL	residential	487130.6	3619025	1.01E-06	30YrCancer	9.75E-07	3.11E-08	1.23E-09	1.37E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1259	ALL	residential	484030.6	3619725	1.01E-06	30YrCancer	9.92E-07	1.46E-08	5.79E-10	6.45E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1530	ALL	residential	485330.6	3620325	1.01E-06	30YrCancer	9.75E-07	3.45E-08	1.37E-09	1.53E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	residential	488430.6	3617525	1.00E-06	30YrCancer	9.65E-07	3.40E-08	1.35E-09	1.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	residential	488030.6	3617725	1.00E-06	30YrCancer	9.65E-07	3.47E-08	1.38E-09	1.54E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1221	ALL	residential	484330.6	3619625	1.00E-06	30YrCancer	9.84E-07	1.75E-08	6.95E-10	7.75E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1222	ALL	residential	484430.6	3619625	1.00E-06	30YrCancer	9.82E-07	1.95E-08	7.74E-10	8.62E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	ALL	residential	487230.6	3618625	9.96E-07	30YrCancer	9.64E-07	3.07E-08	1.22E-09	1.36E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	residential	489030.6	3617125	9.94E-07	30YrCancer	9.60E-07	3.24E-08	1.29E-09	1.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1093	ALL	residential	487030.6	3619325	9.93E-07	30YrCancer	9.60E-07	3.11E-08	1.23E-09	1.37E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1265	ALL	residential	484630.6	3619725	9.88E-07	30YrCancer	9.63E-07	2.42E-08	9.61E-10	1.07E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1486	ALL	residential	485130.6	3620225	9.87E-07	30YrCancer	9.53E-07	3.25E-08	1.29E-09	1.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1440	ALL	residential	485030.6	3620125	9.85E-07	30YrCancer	9.52E-07	3.16E-08	1.25E-09	1.40E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1571	ALL	residential	485430.6	3620425	9.85E-07	30YrCancer	9.51E-07	3.34E-08	1.33E-09	1.48E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1305	ALL	residential	484730.6	3619825	9.82E-07	30YrCancer	9.54E-07	2.66E-08	1.05E-09	1.17E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1348	ALL	residential	484830.6	3619925	9.81E-07	30YrCancer	9.51E-07	2.86E-08	1.13E-09	1.26E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
1393	ALL	residential	484930.6	3620025	9.80E-07	30YrCancer	9.48E-07	3.02E-08	1.20E-09	1.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	residential	487330.6	3618225	9.79E-07	30YrCancer	9.48E-07	3.00E-08	1.19E-09	1.33E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	ALL	residential	487230.6	3618725	9.79E-07	30YrCancer	9.47E-07	3.00E-08	1.19E-09	1.33E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
980	ALL	residential	487130.6	3619125	9.78E-07	30YrCancer	9.47E-07	3.01E-08	1.20E-09	1.33E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1529	ALL	residential	485230.6	3620325	9.78E-07	30YrCancer	9.44E-07	3.26E-08	1.30E-09	1.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	residential	488930.6	3617225	9.76E-07	30YrCancer	9.43E-07	3.20E-08	1.27E-09	1.42E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1260	ALL	residential	484130.6	3619725	9.72E-07	30YrCancer	9.57E-07	1.47E-08	5.82E-10	6.48E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1264	ALL	residential	484530.6	3619725	9.65E-07	30YrCancer	9.42E-07	2.15E-08	8.53E-10	9.51E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1570	ALL	residential	485330.6	3620425	9.64E-07	30YrCancer	9.31E-07	3.25E-08	1.29E-09	1.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	residential	488330.6	3617625	9.62E-07	30YrCancer	9.28E-07	3.27E-08	1.30E-09	1.45E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	residential	487230.6	3618825	9.62E-07	30YrCancer	9.32E-07	2.93E-08	1.16E-09	1.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	residential	487330.6	3618325	9.60E-07	30YrCancer	9.30E-07	2.90E-08	1.15E-09	1.28E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1151	ALL	residential	487030.6	3619425	9.57E-07	30YrCancer	9.26E-07	2.98E-08	1.18E-09	1.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	residential	488130.6	3617725	9.56E-07	30YrCancer	9.22E-07	3.27E-08	1.30E-09	1.45E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	residential	487430.6	3618125	9.55E-07	30YrCancer	9.25E-07	2.97E-08	1.18E-09	1.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	residential	488830.6	3617325	9.54E-07	30YrCancer	9.21E-07	3.14E-08	1.25E-09	1.39E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1261	ALL	residential	484230.6	3619725	9.52E-07	30YrCancer	9.36E-07	1.57E-08	6.23E-10	6.94E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1036	ALL	residential	487130.6	3619225	9.50E-07	30YrCancer	9.19E-07	2.93E-08	1.16E-09	1.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL	residential	487330.6	3618425	9.49E-07	30YrCancer	9.19E-07	2.86E-08	1.13E-09	1.26E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	residential	487230.6	3618925	9.49E-07	30YrCancer	9.19E-07	2.87E-08	1.14E-09	1.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1263	ALL	residential	484430.6	3619725	9.49E-07	30YrCancer	9.29E-07	1.91E-08	7.59E-10	8.46E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1262	ALL	residential	484330.6	3619725	9.47E-07	30YrCancer	9.30E-07	1.73E-08	6.85E-10	7.63E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	residential	488530.6	3617525	9.46E-07	30YrCancer	9.13E-07	3.17E-08	1.26E-09	1.40E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	residential	489130.6	3617125	9.45E-07	30YrCancer	9.13E-07	3.05E-08	1.21E-09	1.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1304	ALL	residential	484630.6	3619825	9.45E-07	30YrCancer	9.20E-07	2.36E-08	9.36E-10	1.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1485	ALL	residential	485030.6	3620225	9.44E-07	30YrCancer	9.13E-07	3.01E-08	1.19E-09	1.33E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1528	ALL	residential	485130.6	3620325	9.44E-07	30YrCancer	9.12E-07	3.07E-08	1.22E-09	1.36E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	residential	487930.6	3617825	9.39E-07	30YrCancer	9.06E-07	3.17E-08	1.26E-09	1.40E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1347	ALL	residential	484730.6	3619925	9.39E-07	30YrCancer	9.13E-07	2.56E-08	1.02E-09	1.13E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1439	ALL	residential	484930.6	3620125	9.38E-07	30YrCancer	9.08E-07	2.88E-08	1.14E-09	1.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL	residential	487330.6	3618525	9.37E-07	30YrCancer	9.07E-07	2.83E-08	1.12E-09	1.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1298	ALL	residential	484030.6	3619825	9.37E-07	30YrCancer	9.23E-07	1.39E-08	5.52E-10	6.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1392	ALL	residential	484830.6	3620025	9.37E-07	30YrCancer	9.09E-07	2.73E-08	1.08E-09	1.21E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1609	ALL	residential	485430.6	3620525	9.37E-07	30YrCancer	9.04E-07	3.11E-08	1.24E-09	1.38E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1569	ALL	residential	485230.6	3620425	9.36E-07	30YrCancer	9.04E-07	3.09E-08	1.23E-09	1.37E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL	residential	487230.6	3619025	9.32E-07	30YrCancer	9.03E-07	2.81E-08	1.12E-09	1.24E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	residential	489030.6	3617225	9.28E-07	30YrCancer	8.96E-07	3.00E-08	1.19E-09	1.33E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	residential	488730.6	3617425	9.27E-07	30YrCancer	8.95E-07	3.06E-08	1.21E-09	1.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	ALL	residential	487330.6	3618625	9.22E-07	30YrCancer	8.93E-07	2.79E-08	1.11E-09	1.24E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1094	ALL	residential	487130.6	3619325	9.21E-07	30YrCancer	8.92E-07	2.83E-08	1.12E-09	1.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1608	ALL	residential	485330.6	3620525	9.21E-07	30YrCancer	8.89E-07	3.06E-08	1.22E-09	1.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1303	ALL	residential	484530.6	3619825	9.19E-07	30YrCancer	8.97E-07	2.10E-08	8.34E-10	9.29E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	residential	488230.6	3617725	9.14E-07	30YrCancer	8.82E-07	3.08E-08	1.22E-09	1.36E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	residential	488430.6	3617625	9.12E-07	30YrCancer	8.81E-07	3.05E-08	1.21E-09	1.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	residential	487430.6	3618225	9.12E-07	30YrCancer	8.84E-07	2.75E-08	1.09E-09	1.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL	residential	487230.6	3619125	9.12E-07	30YrCancer	8.83E-07	2.75E-08	1.09E-09	1.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1299	ALL	residential	484130.6	3619825	9.09E-07	30YrCancer	8.94E-07	1.43E-08	5.66E-10	6.31E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	residential	488930.6	3617325	9.06E-07	30YrCancer	8.75E-07	2.94E-08	1.17E-09	1.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	ALL	residential	487330.6	3618725	9.06E-07	30YrCancer	8.78E-07	2.74E-08	1.09E-09	1.21E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
1346	ALL	residential	484630.6	3619925	9.06E-07	30YrCancer	8.82E-07	2.30E-08	9.12E-10	1.02E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1527	ALL	residential	485030.6	3620325	9.06E-07	30YrCancer	8.76E-07	2.86E-08	1.14E-09	1.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1302	ALL	residential	484430.6	3619825	9.04E-07	30YrCancer	8.84E-07	1.88E-08	7.47E-10	8.32E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1568	ALL	residential	485130.6	3620425	9.03E-07	30YrCancer	8.73E-07	2.90E-08	1.15E-09	1.28E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1300	ALL	residential	484230.6	3619825	9.00E-07	30YrCancer	8.84E-07	1.55E-08	6.14E-10	6.84E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1391	ALL	residential	484730.6	3620025	9.00E-07	30YrCancer	8.74E-07	2.47E-08	9.80E-10	1.09E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1484	ALL	residential	484930.6	3620225	9.00E-07	30YrCancer	8.71E-07	2.75E-08	1.09E-09	1.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	residential	488030.6	3617825	8.99E-07	30YrCancer	8.68E-07	3.01E-08	1.19E-09	1.33E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1438	ALL	residential	484830.6	3620125	8.97E-07	30YrCancer	8.69E-07	2.61E-08	1.04E-09	1.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1301	ALL	residential	484330.6	3619825	8.96E-07	30YrCancer	8.78E-07	1.69E-08	6.72E-10	7.49E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1607	ALL	residential	485230.6	3620525	8.96E-07	30YrCancer	8.65E-07	2.92E-08	1.16E-09	1.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1152	ALL	residential	487130.6	3619425	8.93E-07	30YrCancer	8.65E-07	2.73E-08	1.08E-09	1.21E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1639	ALL	residential	485430.6	3620625	8.92E-07	30YrCancer	8.62E-07	2.90E-08	1.15E-09	1.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	residential	487330.6	3618825	8.90E-07	30YrCancer	8.62E-07	2.68E-08	1.06E-09	1.19E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	ALL	residential	487430.6	3618325	8.89E-07	30YrCancer	8.62E-07	2.63E-08	1.05E-09	1.17E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	residential	489130.6	3617225	8.85E-07	30YrCancer	8.55E-07	2.83E-08	1.12E-09	1.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1037	ALL	residential	487230.6	3619225	8.85E-07	30YrCancer	8.57E-07	2.67E-08	1.06E-09	1.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1340	ALL	residential	484030.6	3619925	8.82E-07	30YrCancer	8.68E-07	1.37E-08	5.43E-10	6.06E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	residential	488830.6	3617425	8.81E-07	30YrCancer	8.51E-07	2.87E-08	1.14E-09	1.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	ALL	residential	487430.6	3618425	8.81E-07	30YrCancer	8.54E-07	2.61E-08	1.04E-09	1.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1638	ALL	residential	485330.6	3620625	8.81E-07	30YrCancer	8.51E-07	2.89E-08	1.15E-09	1.28E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1345	ALL	residential	484530.6	3619925	8.78E-07	30YrCancer	8.56E-07	2.05E-08	8.14E-10	9.07E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
873	ALL	residential	487330.6	3618925	8.76E-07	30YrCancer	8.49E-07	2.61E-08	1.04E-09	1.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	residential	488330.6	3617725	8.74E-07	30YrCancer	8.44E-07	2.91E-08	1.15E-09	1.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL	residential	487430.6	3618525	8.71E-07	30YrCancer	8.44E-07	2.58E-08	1.02E-09	1.14E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1390	ALL	residential	484630.6	3620025	8.69E-07	30YrCancer	8.45E-07	2.23E-08	8.85E-10	9.86E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1567	ALL	residential	485030.6	3620425	8.68E-07	30YrCancer	8.40E-07	2.71E-08	1.08E-09	1.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	residential	488530.6	3617625	8.65E-07	30YrCancer	8.35E-07	2.85E-08	1.13E-09	1.26E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	residential	487330.6	3619025	8.64E-07	30YrCancer	8.37E-07	2.56E-08	1.02E-09	1.13E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1526	ALL	residential	484930.6	3620325	8.64E-07	30YrCancer	8.37E-07	2.62E-08	1.04E-09	1.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1606	ALL	residential	485130.6	3620525	8.64E-07	30YrCancer	8.35E-07	2.73E-08	1.09E-09	1.21E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	residential	489030.6	3617325	8.63E-07	30YrCancer	8.35E-07	2.77E-08	1.10E-09	1.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1344	ALL	residential	484430.6	3619925	8.62E-07	30YrCancer	8.43E-07	1.84E-08	7.32E-10	8.16E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1437	ALL	residential	484730.6	3620125	8.62E-07	30YrCancer	8.37E-07	2.37E-08	9.41E-10	1.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1341	ALL	residential	484130.6	3619925	8.61E-07	30YrCancer	8.46E-07	1.41E-08	5.60E-10	6.25E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1483	ALL	residential	484830.6	3620225	8.60E-07	30YrCancer	8.34E-07	2.50E-08	9.93E-10	1.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	ALL	residential	487430.6	3618625	8.57E-07	30YrCancer	8.31E-07	2.55E-08	1.01E-09	1.13E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1095	ALL	residential	487230.6	3619325	8.57E-07	30YrCancer	8.30E-07	2.59E-08	1.03E-09	1.14E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	residential	487530.6	3618225	8.53E-07	30YrCancer	8.27E-07	2.53E-08	1.00E-09	1.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	residential	488730.6	3617525	8.52E-07	30YrCancer	8.23E-07	2.77E-08	1.10E-09	1.23E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1342	ALL	residential	484230.6	3619925	8.52E-07	30YrCancer	8.36E-07	1.52E-08	6.03E-10	6.72E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1343	ALL	residential	484330.6	3619925	8.52E-07	30YrCancer	8.35E-07	1.67E-08	6.61E-10	7.37E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1637	ALL	residential	485230.6	3620625	8.51E-07	30YrCancer	8.23E-07	2.71E-08	1.08E-09	1.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	residential	487930.6	3617925	8.48E-07	30YrCancer	8.19E-07	2.73E-08	1.09E-09	1.21E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL	residential	487330.6	3619125	8.48E-07	30YrCancer	8.22E-07	2.51E-08	9.97E-10	1.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	ALL	residential	487430.6	3618725	8.44E-07	30YrCancer	8.17E-07	2.52E-08	1.00E-09	1.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1389	ALL	residential	484530.6	3620025	8.40E-07	30YrCancer	8.20E-07	2.00E-08	7.94E-10	8.85E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1384	ALL	residential	484030.6	3620025	8.39E-07	30YrCancer	8.25E-07	1.38E-08	5.47E-10	6.10E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	residential	488930.6	3617425	8.38E-07	30YrCancer	8.10E-07	2.69E-08	1.07E-09	1.19E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
431	ALL	residential	488430.6	3617725	8.33E-07	30YrCancer	8.04E-07	2.73E-08	1.08E-09	1.21E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1436	ALL	residential	484630.6	3620125	8.32E-07	30YrCancer	8.10E-07	2.15E-08	8.55E-10	9.53E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1566	ALL	residential	484930.6	3620425	8.32E-07	30YrCancer	8.06E-07	2.51E-08	9.95E-10	1.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1605	ALL	residential	485030.6	3620525	8.32E-07	30YrCancer	8.05E-07	2.56E-08	1.02E-09	1.13E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	ALL	residential	487530.6	3618325	8.31E-07	30YrCancer	8.06E-07	2.43E-08	9.66E-10	1.08E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	residential	487430.6	3618825	8.30E-07	30YrCancer	8.04E-07	2.48E-08	9.86E-10	1.10E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1153	ALL	residential	487230.6	3619425	8.30E-07	30YrCancer	8.04E-07	2.50E-08	9.92E-10	1.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1038	ALL	residential	487330.6	3619225	8.27E-07	30YrCancer	8.01E-07	2.44E-08	9.71E-10	1.08E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1482	ALL	residential	484730.6	3620225	8.26E-07	30YrCancer	8.03E-07	2.27E-08	9.03E-10	1.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1525	ALL	residential	484830.6	3620325	8.25E-07	30YrCancer	8.00E-07	2.39E-08	9.48E-10	1.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1636	ALL	residential	485130.6	3620625	8.24E-07	30YrCancer	7.98E-07	2.55E-08	1.01E-09	1.13E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	residential	489130.6	3617325	8.23E-07	30YrCancer	7.96E-07	2.61E-08	1.04E-09	1.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1388	ALL	residential	484430.6	3620025	8.23E-07	30YrCancer	8.04E-07	1.80E-08	7.17E-10	7.99E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	ALL	residential	488630.6	3617625	8.22E-07	30YrCancer	7.94E-07	2.67E-08	1.06E-09	1.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	ALL	residential	487530.6	3618425	8.20E-07	30YrCancer	7.95E-07	2.39E-08	9.49E-10	1.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1385	ALL	residential	484130.6	3620025	8.16E-07	30YrCancer	8.02E-07	1.39E-08	5.52E-10	6.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	residential	487430.6	3618925	8.15E-07	30YrCancer	7.90E-07	2.42E-08	9.60E-10	1.07E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	residential	488030.6	3617925	8.14E-07	30YrCancer	7.87E-07	2.61E-08	1.03E-09	1.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	ALL	residential	487530.6	3618525	8.13E-07	30YrCancer	7.88E-07	2.37E-08	9.43E-10	1.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1387	ALL	residential	484330.6	3620025	8.13E-07	30YrCancer	7.96E-07	1.64E-08	6.50E-10	7.24E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	residential	488830.6	3617525	8.12E-07	30YrCancer	7.85E-07	2.61E-08	1.04E-09	1.15E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1386	ALL	residential	484230.6	3620025	8.11E-07	30YrCancer	7.95E-07	1.50E-08	5.95E-10	6.63E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1435	ALL	residential	484530.6	3620125	8.07E-07	30YrCancer	7.87E-07	1.95E-08	7.74E-10	8.63E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	residential	487630.6	3618225	8.04E-07	30YrCancer	7.80E-07	2.36E-08	9.36E-10	1.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	residential	487430.6	3619025	8.03E-07	30YrCancer	7.78E-07	2.36E-08	9.37E-10	1.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	ALL	residential	487530.6	3618625	8.02E-07	30YrCancer	7.77E-07	2.36E-08	9.35E-10	1.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1096	ALL	residential	487330.6	3619325	8.01E-07	30YrCancer	7.76E-07	2.37E-08	9.41E-10	1.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	residential	489030.6	3617425	8.00E-07	30YrCancer	7.73E-07	2.54E-08	1.01E-09	1.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1430	ALL	residential	484030.6	3620125	8.00E-07	30YrCancer	7.85E-07	1.36E-08	5.40E-10	6.02E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1481	ALL	residential	484630.6	3620225	7.98E-07	30YrCancer	7.76E-07	2.07E-08	8.23E-10	9.18E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1604	ALL	residential	484930.6	3620525	7.97E-07	30YrCancer	7.73E-07	2.37E-08	9.41E-10	1.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1635	ALL	residential	485030.6	3620625	7.96E-07	30YrCancer	7.71E-07	2.40E-08	9.53E-10	1.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	residential	488330.6	3617825	7.95E-07	30YrCancer	7.68E-07	2.57E-08	1.02E-09	1.14E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1565	ALL	residential	484830.6	3620425	7.94E-07	30YrCancer	7.71E-07	2.29E-08	9.09E-10	1.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1524	ALL	residential	484730.6	3620325	7.93E-07	30YrCancer	7.71E-07	2.18E-08	8.66E-10	9.65E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	residential	488530.6	3617725	7.91E-07	30YrCancer	7.64E-07	2.55E-08	1.01E-09	1.13E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL	residential	487430.6	3619125	7.91E-07	30YrCancer	7.67E-07	2.31E-08	9.18E-10	1.02E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	ALL	residential	487530.6	3618725	7.89E-07	30YrCancer	7.65E-07	2.33E-08	9.26E-10	1.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1434	ALL	residential	484430.6	3620125	7.89E-07	30YrCancer	7.70E-07	1.77E-08	7.01E-10	7.81E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	residential	488730.6	3617625	7.82E-07	30YrCancer	7.56E-07	2.50E-08	9.94E-10	1.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	ALL	residential	487630.6	3618325	7.80E-07	30YrCancer	7.56E-07	2.26E-08	8.96E-10	9.98E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	ALL	residential	487930.6	3618025	7.79E-07	30YrCancer	7.54E-07	2.40E-08	9.52E-10	1.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
833	ALL	residential	487530.6	3618825	7.77E-07	30YrCancer	7.53E-07	2.31E-08	9.16E-10	1.02E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1431	ALL	residential	484130.6	3620125	7.77E-07	30YrCancer	7.63E-07	1.37E-08	5.43E-10	6.05E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1433	ALL	residential	484330.6	3620125	7.77E-07	30YrCancer	7.60E-07	1.60E-08	6.37E-10	7.10E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1039	ALL	residential	487430.6	3619225	7.75E-07	30YrCancer	7.52E-07	2.26E-08	8.97E-10	1.00E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1154	ALL	residential	487330.6	3619425	7.74E-07	30YrCancer	7.51E-07	2.29E-08	9.11E-10	1.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1432	ALL	residential	484230.6	3620125	7.74E-07	30YrCancer	7.59E-07	1.47E-08	5.85E-10	6.52E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1480	ALL	residential	484530.6	3620225	7.74E-07	30YrCancer	7.55E-07	1.89E-08	7.51E-10	8.37E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
358	ALL	residential	488930.6	3617525	7.73E-07	30YrCancer	7.48E-07	2.45E-08	9.73E-10	1.08E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	ALL	residential	487630.6	3618425	7.66E-07	30YrCancer	7.43E-07	2.20E-08	8.72E-10	9.72E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1523	ALL	residential	484630.6	3620325	7.66E-07	30YrCancer	7.45E-07	1.99E-08	7.92E-10	8.82E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	residential	487530.6	3618925	7.64E-07	30YrCancer	7.41E-07	2.26E-08	8.98E-10	1.00E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1475	ALL	residential	484030.6	3620225	7.64E-07	30YrCancer	7.50E-07	1.34E-08	5.32E-10	5.93E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1603	ALL	residential	484830.6	3620525	7.64E-07	30YrCancer	7.41E-07	2.18E-08	8.66E-10	9.65E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	ALL	residential	489130.6	3617425	7.63E-07	30YrCancer	7.39E-07	2.39E-08	9.50E-10	1.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	residential	488430.6	3617825	7.63E-07	30YrCancer	7.38E-07	2.44E-08	9.67E-10	1.08E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1564	ALL	residential	484730.6	3620425	7.62E-07	30YrCancer	7.40E-07	2.08E-08	8.28E-10	9.22E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	residential	487730.6	3618225	7.61E-07	30YrCancer	7.38E-07	2.21E-08	8.77E-10	9.77E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	residential	487630.6	3618525	7.60E-07	30YrCancer	7.37E-07	2.19E-08	8.70E-10	9.69E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1479	ALL	residential	484430.6	3620225	7.57E-07	30YrCancer	7.39E-07	1.72E-08	6.84E-10	7.62E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1097	ALL	residential	487430.6	3619325	7.54E-07	30YrCancer	7.31E-07	2.20E-08	8.74E-10	9.74E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	residential	488630.6	3617725	7.53E-07	30YrCancer	7.28E-07	2.39E-08	9.50E-10	1.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	ALL	residential	487630.6	3618625	7.52E-07	30YrCancer	7.29E-07	2.18E-08	8.65E-10	9.64E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	residential	487530.6	3619025	7.50E-07	30YrCancer	7.27E-07	2.19E-08	8.71E-10	9.71E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	residential	488030.6	3618025	7.47E-07	30YrCancer	7.23E-07	2.29E-08	9.09E-10	1.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	residential	488830.6	3617625	7.45E-07	30YrCancer	7.21E-07	2.35E-08	9.33E-10	1.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1476	ALL	residential	484130.6	3620225	7.45E-07	30YrCancer	7.31E-07	1.35E-08	5.37E-10	5.98E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1478	ALL	residential	484330.6	3620225	7.45E-07	30YrCancer	7.28E-07	1.57E-08	6.24E-10	6.95E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1522	ALL	residential	484530.6	3620325	7.44E-07	30YrCancer	7.25E-07	1.83E-08	7.26E-10	8.10E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	ALL	residential	487630.6	3618725	7.41E-07	30YrCancer	7.19E-07	2.17E-08	8.60E-10	9.59E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1477	ALL	residential	484230.6	3620225	7.41E-07	30YrCancer	7.26E-07	1.45E-08	5.75E-10	6.41E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	ALL	residential	489030.6	3617525	7.38E-07	30YrCancer	7.14E-07	2.31E-08	9.17E-10	1.02E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
984	ALL	residential	487530.6	3619125	7.38E-07	30YrCancer	7.16E-07	2.14E-08	8.49E-10	9.46E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	ALL	residential	487730.6	3618325	7.35E-07	30YrCancer	7.13E-07	2.10E-08	8.36E-10	9.31E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1563	ALL	residential	484630.6	3620425	7.34E-07	30YrCancer	7.14E-07	1.91E-08	7.57E-10	8.43E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1602	ALL	residential	484730.6	3620525	7.33E-07	30YrCancer	7.12E-07	1.99E-08	7.92E-10	8.82E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1517	ALL	residential	484030.6	3620325	7.31E-07	30YrCancer	7.18E-07	1.31E-08	5.22E-10	5.81E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	residential	487630.6	3618825	7.30E-07	30YrCancer	7.07E-07	2.15E-08	8.53E-10	9.50E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	ALL	residential	488330.6	3617925	7.29E-07	30YrCancer	7.05E-07	2.28E-08	9.05E-10	1.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	residential	488530.6	3617825	7.27E-07	30YrCancer	7.03E-07	2.29E-08	9.08E-10	1.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	residential	487930.6	3618125	7.27E-07	30YrCancer	7.05E-07	2.15E-08	8.54E-10	9.52E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1040	ALL	residential	487530.6	3619225	7.27E-07	30YrCancer	7.05E-07	2.09E-08	8.32E-10	9.27E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1155	ALL	residential	487430.6	3619425	7.27E-07	30YrCancer	7.05E-07	2.11E-08	8.40E-10	9.36E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1521	ALL	residential	484430.6	3620325	7.25E-07	30YrCancer	7.08E-07	1.67E-08	6.64E-10	7.40E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	residential	489651	3613672	7.24E-07	30YrCancer	7.02E-07	2.05E-08	8.15E-10	9.09E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	residential	487830.6	3618225	7.22E-07	30YrCancer	7.00E-07	2.08E-08	8.25E-10	9.20E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	ALL	residential	488130.6	3618025	7.21E-07	30YrCancer	6.98E-07	2.20E-08	8.76E-10	9.76E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	residential	488730.6	3617725	7.19E-07	30YrCancer	6.96E-07	2.25E-08	8.94E-10	9.97E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	ALL	residential	487730.6	3618425	7.19E-07	30YrCancer	6.98E-07	2.04E-08	8.10E-10	9.03E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	residential	487630.6	3618925	7.18E-07	30YrCancer	6.96E-07	2.11E-08	8.38E-10	9.34E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1562	ALL	residential	484530.6	3620425	7.14E-07	30YrCancer	6.95E-07	1.76E-08	6.99E-10	7.79E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	residential	487730.6	3618525	7.13E-07	30YrCancer	6.92E-07	2.03E-08	8.05E-10	8.97E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1520	ALL	residential	484330.6	3620325	7.13E-07	30YrCancer	6.97E-07	1.53E-08	6.08E-10	6.78E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	ALL	residential	488930.6	3617625	7.12E-07	30YrCancer	6.89E-07	2.22E-08	8.80E-10	9.81E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1518	ALL	residential	484130.6	3620325	7.12E-07	30YrCancer	6.98E-07	1.32E-08	5.24E-10	5.84E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1098	ALL	residential	487530.6	3619325	7.11E-07	30YrCancer	6.90E-07	2.05E-08	8.14E-10	9.07E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1601	ALL	residential	484630.6	3620525	7.09E-07	30YrCancer	6.90E-07	1.84E-08	7.29E-10	8.12E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
1519	ALL	residential	484230.6	3620325	7.08E-07	30YrCancer	6.94E-07	1.41E-08	5.61E-10	6.25E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	residential	489130.6	3617525	7.07E-07	30YrCancer	6.84E-07	2.18E-08	8.67E-10	9.66E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	ALL	residential	487730.6	3618625	7.07E-07	30YrCancer	6.86E-07	2.03E-08	8.04E-10	8.96E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL	residential	487630.6	3619025	7.05E-07	30YrCancer	6.84E-07	2.06E-08	8.19E-10	9.12E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	residential	488430.6	3617925	7.03E-07	30YrCancer	6.80E-07	2.18E-08	8.65E-10	9.64E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	ALL	residential	487730.6	3618725	6.99E-07	30YrCancer	6.78E-07	2.03E-08	8.04E-10	8.96E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	residential	488230.6	3618025	6.97E-07	30YrCancer	6.75E-07	2.12E-08	8.43E-10	9.39E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	ALL	residential	488030.6	3618125	6.97E-07	30YrCancer	6.76E-07	2.05E-08	8.15E-10	9.09E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1561	ALL	residential	484430.6	3620425	6.96E-07	30YrCancer	6.79E-07	1.62E-08	6.42E-10	7.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	ALL	residential	487830.6	3618325	6.95E-07	30YrCancer	6.75E-07	1.97E-08	7.83E-10	8.72E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	residential	488630.6	3617825	6.93E-07	30YrCancer	6.71E-07	2.15E-08	8.53E-10	9.51E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
985	ALL	residential	487630.6	3619125	6.92E-07	30YrCancer	6.71E-07	2.00E-08	7.94E-10	8.84E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1557	ALL	residential	484030.6	3620425	6.92E-07	30YrCancer	6.79E-07	1.23E-08	4.88E-10	5.44E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1156	ALL	residential	487530.6	3619425	6.91E-07	30YrCancer	6.70E-07	1.99E-08	7.92E-10	8.83E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	residential	487930.6	3618225	6.89E-07	30YrCancer	6.68E-07	1.97E-08	7.83E-10	8.73E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
835	ALL	residential	487730.6	3618825	6.89E-07	30YrCancer	6.68E-07	2.01E-08	7.98E-10	8.90E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1600	ALL	residential	484530.6	3620525	6.88E-07	30YrCancer	6.70E-07	1.69E-08	6.73E-10	7.50E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	residential	488830.6	3617725	6.86E-07	30YrCancer	6.64E-07	2.12E-08	8.42E-10	9.38E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1560	ALL	residential	484330.6	3620425	6.82E-07	30YrCancer	6.67E-07	1.48E-08	5.90E-10	6.57E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	residential	489030.6	3617625	6.81E-07	30YrCancer	6.60E-07	2.09E-08	8.31E-10	9.26E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1041	ALL	residential	487630.6	3619225	6.80E-07	30YrCancer	6.60E-07	1.95E-08	7.72E-10	8.61E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1558	ALL	residential	484130.6	3620425	6.79E-07	30YrCancer	6.66E-07	1.28E-08	5.09E-10	5.67E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	ALL	residential	487830.6	3618425	6.78E-07	30YrCancer	6.58E-07	1.90E-08	7.56E-10	8.43E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	residential	487730.6	3618925	6.78E-07	30YrCancer	6.58E-07	1.99E-08	7.90E-10	8.80E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1559	ALL	residential	484230.6	3620425	6.76E-07	30YrCancer	6.62E-07	1.37E-08	5.44E-10	6.06E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	residential	488330.6	3618025	6.72E-07	30YrCancer	6.51E-07	2.03E-08	8.06E-10	8.99E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	residential	488130.6	3618125	6.72E-07	30YrCancer	6.52E-07	1.98E-08	7.86E-10	8.76E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	residential	488530.6	3617925	6.71E-07	30YrCancer	6.49E-07	2.05E-08	8.14E-10	9.07E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	residential	487830.6	3618525	6.70E-07	30YrCancer	6.51E-07	1.88E-08	7.48E-10	8.34E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1599	ALL	residential	484430.6	3620525	6.70E-07	30YrCancer	6.53E-07	1.56E-08	6.21E-10	6.91E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1099	ALL	residential	487630.6	3619325	6.69E-07	30YrCancer	6.49E-07	1.91E-08	7.57E-10	8.44E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	residential	487730.6	3619025	6.67E-07	30YrCancer	6.47E-07	1.95E-08	7.73E-10	8.62E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	ALL	residential	487830.6	3618625	6.66E-07	30YrCancer	6.46E-07	1.88E-08	7.48E-10	8.33E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1634	ALL	residential	484530.6	3620625	6.65E-07	30YrCancer	6.48E-07	1.63E-08	6.48E-10	7.22E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	residential	488730.6	3617825	6.62E-07	30YrCancer	6.41E-07	2.02E-08	8.04E-10	8.96E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	ALL	residential	488030.6	3618225	6.60E-07	30YrCancer	6.40E-07	1.89E-08	7.49E-10	8.35E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	ALL	residential	487930.6	3618325	6.60E-07	30YrCancer	6.41E-07	1.86E-08	7.37E-10	8.21E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	ALL	residential	487830.6	3618725	6.60E-07	30YrCancer	6.40E-07	1.89E-08	7.49E-10	8.35E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1595	ALL	residential	484030.6	3620525	6.60E-07	30YrCancer	6.47E-07	1.19E-08	4.71E-10	5.24E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	ALL	residential	488930.6	3617725	6.57E-07	30YrCancer	6.36E-07	2.00E-08	7.95E-10	8.86E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1598	ALL	residential	484330.6	3620525	6.56E-07	30YrCancer	6.41E-07	1.44E-08	5.72E-10	6.38E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1157	ALL	residential	487630.6	3619425	6.54E-07	30YrCancer	6.34E-07	1.87E-08	7.41E-10	8.26E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
986	ALL	residential	487730.6	3619125	6.53E-07	30YrCancer	6.34E-07	1.89E-08	7.49E-10	8.35E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	residential	489130.6	3617625	6.52E-07	30YrCancer	6.32E-07	1.98E-08	7.85E-10	8.75E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL	residential	487830.6	3618825	6.51E-07	30YrCancer	6.31E-07	1.88E-08	7.45E-10	8.31E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1596	ALL	residential	484130.6	3620525	6.51E-07	30YrCancer	6.38E-07	1.25E-08	4.96E-10	5.53E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1597	ALL	residential	484230.6	3620525	6.50E-07	30YrCancer	6.36E-07	1.34E-08	5.30E-10	5.91E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	residential	488430.6	3618025	6.49E-07	30YrCancer	6.29E-07	1.95E-08	7.73E-10	8.61E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	residential	488230.6	3618125	6.49E-07	30YrCancer	6.30E-07	1.91E-08	7.57E-10	8.44E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
1633	ALL	residential	484430.6	3620625	6.47E-07	30YrCancer	6.31E-07	1.51E-08	6.00E-10	6.68E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1666	ALL	residential	484530.6	3620725	6.43E-07	30YrCancer	6.26E-07	1.57E-08	6.23E-10	6.94E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	ALL	residential	487930.6	3618425	6.42E-07	30YrCancer	6.23E-07	1.79E-08	7.10E-10	7.92E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	residential	488630.6	3617925	6.41E-07	30YrCancer	6.21E-07	1.94E-08	7.69E-10	8.57E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	residential	487830.6	3618925	6.41E-07	30YrCancer	6.21E-07	1.86E-08	7.39E-10	8.24E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1042	ALL	residential	487730.6	3619225	6.40E-07	30YrCancer	6.21E-07	1.83E-08	7.26E-10	8.09E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	residential	488130.6	3618225	6.34E-07	30YrCancer	6.15E-07	1.81E-08	7.18E-10	8.00E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1632	ALL	residential	484330.6	3620625	6.34E-07	30YrCancer	6.19E-07	1.40E-08	5.56E-10	6.20E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	residential	488830.6	3617825	6.33E-07	30YrCancer	6.14E-07	1.91E-08	7.59E-10	8.45E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	residential	488030.6	3618325	6.32E-07	30YrCancer	6.14E-07	1.77E-08	7.04E-10	7.85E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	residential	487930.6	3618525	6.32E-07	30YrCancer	6.14E-07	1.76E-08	6.99E-10	7.79E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1629	ALL	residential	484030.6	3620625	6.32E-07	30YrCancer	6.20E-07	1.15E-08	4.57E-10	5.09E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	residential	487830.6	3619025	6.30E-07	30YrCancer	6.11E-07	1.83E-08	7.26E-10	8.09E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	residential	489030.6	3617725	6.29E-07	30YrCancer	6.09E-07	1.89E-08	7.51E-10	8.36E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1100	ALL	residential	487730.6	3619325	6.29E-07	30YrCancer	6.10E-07	1.78E-08	7.06E-10	7.87E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	residential	488330.6	3618125	6.28E-07	30YrCancer	6.08E-07	1.84E-08	7.29E-10	8.12E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	ALL	residential	487930.6	3618625	6.28E-07	30YrCancer	6.10E-07	1.76E-08	6.98E-10	7.78E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1665	ALL	residential	484430.6	3620725	6.27E-07	30YrCancer	6.12E-07	1.46E-08	5.80E-10	6.46E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	residential	488530.6	3618025	6.25E-07	30YrCancer	6.06E-07	1.86E-08	7.38E-10	8.23E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1630	ALL	residential	484130.6	3620625	6.25E-07	30YrCancer	6.12E-07	1.21E-08	4.82E-10	5.37E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1631	ALL	residential	484230.6	3620625	6.25E-07	30YrCancer	6.12E-07	1.30E-08	5.15E-10	5.74E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	ALL	residential	487930.6	3618725	6.24E-07	30YrCancer	6.06E-07	1.76E-08	7.00E-10	7.80E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1660	ALL	residential	483930.6	3620725	6.22E-07	30YrCancer	6.10E-07	1.08E-08	4.29E-10	4.78E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1158	ALL	residential	487730.6	3619425	6.18E-07	30YrCancer	6.00E-07	1.74E-08	6.93E-10	7.72E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL	residential	487930.6	3618825	6.17E-07	30YrCancer	5.99E-07	1.76E-08	6.99E-10	7.79E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
987	ALL	residential	487830.6	3619125	6.17E-07	30YrCancer	5.98E-07	1.77E-08	7.04E-10	7.84E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	residential	488730.6	3617925	6.13E-07	30YrCancer	5.94E-07	1.83E-08	7.25E-10	8.08E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	residential	488230.6	3618225	6.13E-07	30YrCancer	5.95E-07	1.75E-08	6.94E-10	7.73E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1664	ALL	residential	484330.6	3620725	6.13E-07	30YrCancer	5.99E-07	1.36E-08	5.39E-10	6.01E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	ALL	residential	488030.6	3618425	6.12E-07	30YrCancer	5.94E-07	1.70E-08	6.75E-10	7.53E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1240	ALL	residential	487630.6	3619625	6.10E-07	30YrCancer	5.92E-07	1.74E-08	6.92E-10	7.71E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
879	ALL	residential	487930.6	3618925	6.08E-07	30YrCancer	5.90E-07	1.75E-08	6.95E-10	7.75E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1713	ALL	residential	484430.6	3620825	6.08E-07	30YrCancer	5.93E-07	1.41E-08	5.60E-10	6.23E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	residential	488930.6	3617825	6.07E-07	30YrCancer	5.88E-07	1.80E-08	7.17E-10	7.99E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	residential	488430.6	3618125	6.07E-07	30YrCancer	5.89E-07	1.77E-08	7.02E-10	7.82E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	ALL	residential	488130.6	3618325	6.07E-07	30YrCancer	5.89E-07	1.70E-08	6.74E-10	7.52E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1661	ALL	residential	484030.6	3620725	6.07E-07	30YrCancer	5.96E-07	1.12E-08	4.44E-10	4.94E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1663	ALL	residential	484230.6	3620725	6.06E-07	30YrCancer	5.92E-07	1.27E-08	5.03E-10	5.61E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	residential	489130.6	3617725	6.04E-07	30YrCancer	5.85E-07	1.79E-08	7.12E-10	7.94E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1043	ALL	residential	487830.6	3619225	6.03E-07	30YrCancer	5.86E-07	1.71E-08	6.80E-10	7.58E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1662	ALL	residential	484130.6	3620725	6.03E-07	30YrCancer	5.91E-07	1.18E-08	4.70E-10	5.24E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1199	ALL	residential	487730.6	3619525	6.02E-07	30YrCancer	5.85E-07	1.70E-08	6.77E-10	7.54E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	residential	488030.6	3618525	6.00E-07	30YrCancer	5.83E-07	1.66E-08	6.60E-10	7.35E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	residential	488630.6	3618025	5.98E-07	30YrCancer	5.79E-07	1.76E-08	6.97E-10	7.77E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	residential	487930.6	3619025	5.98E-07	30YrCancer	5.80E-07	1.73E-08	6.86E-10	7.65E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1712	ALL	residential	484330.6	3620825	5.96E-07	30YrCancer	5.82E-07	1.32E-08	5.24E-10	5.84E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	residential	488030.6	3618625	5.95E-07	30YrCancer	5.78E-07	1.66E-08	6.57E-10	7.33E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1708	ALL	residential	483930.6	3620825	5.94E-07	30YrCancer	5.83E-07	1.04E-08	4.12E-10	4.59E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	residential	488330.6	3618225	5.92E-07	30YrCancer	5.75E-07	1.68E-08	6.69E-10	7.45E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_F	EGG_RISK
1101	ALL	residential	487830.6	3619325	5.92E-07	30YrCancer	5.74E-07	1.66E-08	6.60E-10	7.35E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	ALL	residential	488030.6	3618725	5.91E-07	30YrCancer	5.74E-07	1.66E-08	6.57E-10	7.32E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL	residential	488030.6	3618825	5.87E-07	30YrCancer	5.69E-07	1.66E-08	6.59E-10	7.35E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	residential	488830.6	3617925	5.86E-07	30YrCancer	5.68E-07	1.72E-08	6.84E-10	7.63E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	residential	488530.6	3618125	5.86E-07	30YrCancer	5.68E-07	1.69E-08	6.73E-10	7.50E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	residential	488130.6	3618425	5.86E-07	30YrCancer	5.69E-07	1.62E-08	6.44E-10	7.18E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
988	ALL	residential	487930.6	3619125	5.86E-07	30YrCancer	5.69E-07	1.68E-08	6.69E-10	7.45E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1711	ALL	residential	484230.6	3620825	5.86E-07	30YrCancer	5.73E-07	1.23E-08	4.89E-10	5.45E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	residential	488230.6	3618325	5.85E-07	30YrCancer	5.68E-07	1.64E-08	6.50E-10	7.24E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1709	ALL	residential	484030.6	3620825	5.84E-07	30YrCancer	5.73E-07	1.09E-08	4.31E-10	4.80E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1741	ALL	residential	483830.6	3620925	5.84E-07	30YrCancer	5.74E-07	9.75E-09	3.87E-10	4.31E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	ALL	residential	489030.6	3617825	5.82E-07	30YrCancer	5.65E-07	1.71E-08	6.80E-10	7.58E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1159	ALL	residential	487830.6	3619425	5.82E-07	30YrCancer	5.65E-07	1.63E-08	6.48E-10	7.22E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1710	ALL	residential	484130.6	3620825	5.82E-07	30YrCancer	5.70E-07	1.15E-08	4.58E-10	5.10E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	residential	488030.6	3618925	5.80E-07	30YrCancer	5.62E-07	1.66E-08	6.59E-10	7.34E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1746	ALL	residential	484330.6	3620925	5.79E-07	30YrCancer	5.66E-07	1.28E-08	5.08E-10	5.66E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1854	ALL	residential	482630.6	3621225	5.78E-07	30YrCancer	5.72E-07	5.18E-09	2.06E-10	2.29E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1044	ALL	residential	487930.6	3619225	5.74E-07	30YrCancer	5.57E-07	1.63E-08	6.48E-10	7.23E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	residential	488730.6	3618025	5.72E-07	30YrCancer	5.55E-07	1.66E-08	6.59E-10	7.35E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	residential	488130.6	3618525	5.72E-07	30YrCancer	5.56E-07	1.58E-08	6.27E-10	6.99E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	residential	488430.6	3618225	5.71E-07	30YrCancer	5.55E-07	1.62E-08	6.42E-10	7.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1742	ALL	residential	483930.6	3620925	5.71E-07	30YrCancer	5.60E-07	1.00E-08	3.99E-10	4.45E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	residential	488030.6	3619025	5.70E-07	30YrCancer	5.53E-07	1.64E-08	6.50E-10	7.25E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1745	ALL	residential	484230.6	3620925	5.70E-07	30YrCancer	5.57E-07	1.20E-08	4.77E-10	5.31E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	residential	488130.6	3618625	5.66E-07	30YrCancer	5.50E-07	1.57E-08	6.22E-10	6.94E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	ALL	residential	488330.6	3618325	5.65E-07	30YrCancer	5.48E-07	1.57E-08	6.25E-10	6.96E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1743	ALL	residential	484030.6	3620925	5.65E-07	30YrCancer	5.54E-07	1.06E-08	4.20E-10	4.68E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1744	ALL	residential	484130.6	3620925	5.65E-07	30YrCancer	5.53E-07	1.13E-08	4.47E-10	4.99E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	residential	488230.6	3618425	5.64E-07	30YrCancer	5.48E-07	1.56E-08	6.19E-10	6.90E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	residential	488930.6	3617925	5.63E-07	30YrCancer	5.46E-07	1.63E-08	6.49E-10	7.23E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	ALL	residential	488130.6	3618725	5.62E-07	30YrCancer	5.46E-07	1.56E-08	6.21E-10	6.92E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1102	ALL	residential	487930.6	3619325	5.62E-07	30YrCancer	5.46E-07	1.58E-08	6.28E-10	7.00E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1768	ALL	residential	483830.6	3621025	5.61E-07	30YrCancer	5.51E-07	9.38E-09	3.72E-10	4.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	residential	489130.6	3617825	5.60E-07	30YrCancer	5.43E-07	1.63E-08	6.47E-10	7.21E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	residential	488630.6	3618125	5.60E-07	30YrCancer	5.44E-07	1.60E-08	6.36E-10	7.08E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
989	ALL	residential	488030.6	3619125	5.60E-07	30YrCancer	5.43E-07	1.61E-08	6.39E-10	7.12E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL	residential	488130.6	3618825	5.59E-07	30YrCancer	5.42E-07	1.57E-08	6.23E-10	6.95E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1772	ALL	residential	484230.6	3621025	5.55E-07	30YrCancer	5.43E-07	1.17E-08	4.64E-10	5.17E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	residential	488130.6	3618925	5.53E-07	30YrCancer	5.37E-07	1.57E-08	6.25E-10	6.96E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	residential	488530.6	3618225	5.52E-07	30YrCancer	5.36E-07	1.56E-08	6.18E-10	6.88E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1045	ALL	residential	488030.6	3619225	5.50E-07	30YrCancer	5.34E-07	1.57E-08	6.25E-10	6.96E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1769	ALL	residential	483930.6	3621025	5.50E-07	30YrCancer	5.40E-07	9.77E-09	3.88E-10	4.32E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	residential	488830.6	3618025	5.48E-07	30YrCancer	5.32E-07	1.57E-08	6.24E-10	6.96E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	residential	488230.6	3618525	5.48E-07	30YrCancer	5.32E-07	1.51E-08	5.99E-10	6.67E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1771	ALL	residential	484130.6	3621025	5.48E-07	30YrCancer	5.37E-07	1.10E-08	4.36E-10	4.86E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
659	ALL	residential	488430.6	3618325	5.46E-07	30YrCancer	5.30E-07	1.52E-08	6.02E-10	6.71E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	residential	488130.6	3619025	5.46E-07	30YrCancer	5.29E-07	1.57E-08	6.22E-10	6.93E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1770	ALL	residential	484030.6	3621025	5.46E-07	30YrCancer	5.35E-07	1.03E-08	4.09E-10	4.56E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	residential	488330.6	3618425	5.44E-07	30YrCancer	5.28E-07	1.50E-08	5.96E-10	6.64E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
521	ALL	residential	489030.6	3617925	5.42E-07	30YrCancer	5.25E-07	1.56E-08	6.18E-10	6.89E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	ALL	residential	488230.6	3618625	5.40E-07	30YrCancer	5.25E-07	1.49E-08	5.90E-10	6.58E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1808	ALL	residential	484230.6	3621125	5.40E-07	30YrCancer	5.28E-07	1.14E-08	4.51E-10	5.03E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1804	ALL	residential	483830.6	3621125	5.39E-07	30YrCancer	5.29E-07	9.07E-09	3.60E-10	4.01E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	residential	488730.6	3618125	5.37E-07	30YrCancer	5.21E-07	1.52E-08	6.02E-10	6.71E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	ALL	residential	488230.6	3618725	5.36E-07	30YrCancer	5.20E-07	1.48E-08	5.88E-10	6.56E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
990	ALL	residential	488130.6	3619125	5.36E-07	30YrCancer	5.20E-07	1.54E-08	6.12E-10	6.82E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1807	ALL	residential	484130.6	3621125	5.34E-07	30YrCancer	5.23E-07	1.07E-08	4.26E-10	4.74E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	ALL	residential	488630.6	3618225	5.33E-07	30YrCancer	5.17E-07	1.49E-08	5.91E-10	6.59E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL	residential	488230.6	3618825	5.33E-07	30YrCancer	5.17E-07	1.49E-08	5.91E-10	6.58E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1805	ALL	residential	483930.6	3621125	5.32E-07	30YrCancer	5.22E-07	9.52E-09	3.78E-10	4.21E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1806	ALL	residential	484030.6	3621125	5.30E-07	30YrCancer	5.20E-07	1.01E-08	4.00E-10	4.46E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
882	ALL	residential	488230.6	3618925	5.29E-07	30YrCancer	5.13E-07	1.49E-08	5.93E-10	6.61E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	residential	488330.6	3618525	5.28E-07	30YrCancer	5.13E-07	1.45E-08	5.76E-10	6.42E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	ALL	residential	488530.6	3618325	5.27E-07	30YrCancer	5.12E-07	1.46E-08	5.78E-10	6.44E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	residential	488930.6	3618025	5.26E-07	30YrCancer	5.11E-07	1.49E-08	5.92E-10	6.60E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	residential	488430.6	3618425	5.25E-07	30YrCancer	5.10E-07	1.44E-08	5.73E-10	6.38E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	residential	488230.6	3619025	5.22E-07	30YrCancer	5.07E-07	1.49E-08	5.92E-10	6.60E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1683	ALL	residential	479030.6	3620825	5.22E-07	30YrCancer	5.18E-07	3.95E-09	1.57E-10	1.75E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	residential	489130.6	3617925	5.21E-07	30YrCancer	5.05E-07	1.48E-08	5.87E-10	6.55E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1858	ALL	residential	484130.6	3621225	5.21E-07	30YrCancer	5.10E-07	1.05E-08	4.15E-10	4.63E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1855	ALL	residential	483830.6	3621225	5.19E-07	30YrCancer	5.10E-07	8.80E-09	3.49E-10	3.89E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	ALL	residential	488330.6	3618625	5.18E-07	30YrCancer	5.03E-07	1.42E-08	5.64E-10	6.29E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1857	ALL	residential	484030.6	3621225	5.17E-07	30YrCancer	5.06E-07	9.86E-09	3.91E-10	4.36E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1731	ALL	residential	479230.6	3620925	5.16E-07	30YrCancer	5.12E-07	3.81E-09	1.51E-10	1.69E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1856	ALL	residential	483930.6	3621225	5.16E-07	30YrCancer	5.06E-07	9.29E-09	3.69E-10	4.11E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	residential	488830.6	3618125	5.15E-07	30YrCancer	5.00E-07	1.44E-08	5.71E-10	6.37E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	ALL	residential	488330.6	3618725	5.12E-07	30YrCancer	4.98E-07	1.41E-08	5.61E-10	6.25E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1764	ALL	residential	479430.6	3621025	5.11E-07	30YrCancer	5.07E-07	3.66E-09	1.45E-10	1.62E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	residential	488730.6	3618225	5.10E-07	30YrCancer	4.95E-07	1.41E-08	5.60E-10	6.24E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	residential	488430.6	3618525	5.09E-07	30YrCancer	4.95E-07	1.39E-08	5.52E-10	6.16E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
841	ALL	residential	488330.6	3618825	5.09E-07	30YrCancer	4.94E-07	1.41E-08	5.61E-10	6.25E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	ALL	residential	488630.6	3618325	5.08E-07	30YrCancer	4.94E-07	1.39E-08	5.54E-10	6.17E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1682	ALL	residential	478930.6	3620825	5.08E-07	30YrCancer	5.04E-07	3.92E-09	1.56E-10	1.74E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1791	ALL	residential	479630.6	3621125	5.08E-07	30YrCancer	5.05E-07	3.51E-09	1.39E-10	1.55E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	residential	488530.6	3618425	5.07E-07	30YrCancer	4.93E-07	1.38E-08	5.50E-10	6.13E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1830	ALL	residential	480030.6	3621225	5.07E-07	30YrCancer	5.04E-07	3.35E-09	1.33E-10	1.48E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	residential	488330.6	3618925	5.06E-07	30YrCancer	4.91E-07	1.42E-08	5.65E-10	6.29E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	residential	489030.6	3618025	5.05E-07	30YrCancer	4.91E-07	1.42E-08	5.63E-10	6.28E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1730	ALL	residential	479130.6	3620925	5.02E-07	30YrCancer	4.98E-07	3.80E-09	1.51E-10	1.68E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1829	ALL	residential	479930.6	3621225	5.02E-07	30YrCancer	4.99E-07	3.34E-09	1.33E-10	1.48E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	ALL	residential	488430.6	3618625	4.98E-07	30YrCancer	4.84E-07	1.36E-08	5.40E-10	6.02E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1763	ALL	residential	479330.6	3621025	4.96E-07	30YrCancer	4.92E-07	3.64E-09	1.45E-10	1.61E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1828	ALL	residential	479830.6	3621225	4.95E-07	30YrCancer	4.91E-07	3.34E-09	1.33E-10	1.48E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	ALL	residential	488930.6	3618125	4.94E-07	30YrCancer	4.80E-07	1.37E-08	5.43E-10	6.05E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1790	ALL	residential	479530.6	3621125	4.94E-07	30YrCancer	4.90E-07	3.51E-09	1.40E-10	1.56E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	residential	488530.6	3618525	4.91E-07	30YrCancer	4.77E-07	1.33E-08	5.29E-10	5.90E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	ALL	residential	488430.6	3618725	4.91E-07	30YrCancer	4.77E-07	1.34E-08	5.34E-10	5.95E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	residential	488830.6	3618225	4.89E-07	30YrCancer	4.75E-07	1.34E-08	5.32E-10	5.92E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
695	ALL	residential	488630.6	3618425	4.89E-07	30YrCancer	4.76E-07	1.33E-08	5.27E-10	5.88E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1681	ALL	residential	478830.6	3620825	4.88E-07	30YrCancer	4.84E-07	3.90E-09	1.55E-10	1.72E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	ALL	residential	488730.6	3618325	4.87E-07	30YrCancer	4.73E-07	1.32E-08	5.25E-10	5.85E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	residential	488430.6	3618825	4.87E-07	30YrCancer	4.73E-07	1.34E-08	5.33E-10	5.94E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	residential	489130.6	3618025	4.86E-07	30YrCancer	4.72E-07	1.35E-08	5.36E-10	5.97E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1729	ALL	residential	479030.6	3620925	4.86E-07	30YrCancer	4.82E-07	3.77E-09	1.50E-10	1.67E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1827	ALL	residential	479730.6	3621225	4.86E-07	30YrCancer	4.83E-07	3.34E-09	1.33E-10	1.48E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1762	ALL	residential	479230.6	3621025	4.83E-07	30YrCancer	4.80E-07	3.63E-09	1.44E-10	1.61E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	ALL	residential	488530.6	3618625	4.79E-07	30YrCancer	4.66E-07	1.30E-08	5.17E-10	5.76E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1789	ALL	residential	479430.6	3621125	4.78E-07	30YrCancer	4.75E-07	3.49E-09	1.39E-10	1.54E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1826	ALL	residential	479630.6	3621225	4.77E-07	30YrCancer	4.74E-07	3.35E-09	1.33E-10	1.48E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	residential	489030.6	3618125	4.75E-07	30YrCancer	4.61E-07	1.30E-08	5.16E-10	5.76E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1657	ALL	residential	478630.6	3620725	4.75E-07	30YrCancer	4.71E-07	3.94E-09	1.56E-10	1.74E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	residential	488630.6	3618525	4.74E-07	30YrCancer	4.61E-07	1.28E-08	5.08E-10	5.66E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	ALL	residential	488530.6	3618725	4.72E-07	30YrCancer	4.58E-07	1.28E-08	5.09E-10	5.67E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	residential	488730.6	3618425	4.70E-07	30YrCancer	4.57E-07	1.26E-08	5.02E-10	5.59E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1728	ALL	residential	478930.6	3620925	4.70E-07	30YrCancer	4.67E-07	3.74E-09	1.49E-10	1.66E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1761	ALL	residential	479130.6	3621025	4.70E-07	30YrCancer	4.66E-07	3.60E-09	1.43E-10	1.59E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	residential	488930.6	3618225	4.69E-07	30YrCancer	4.56E-07	1.27E-08	5.05E-10	5.62E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	ALL	residential	488830.6	3618325	4.67E-07	30YrCancer	4.54E-07	1.26E-08	4.99E-10	5.56E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1627	ALL	residential	478530.6	3620625	4.67E-07	30YrCancer	4.62E-07	3.92E-09	1.56E-10	1.74E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1680	ALL	residential	478730.6	3620825	4.66E-07	30YrCancer	4.62E-07	3.84E-09	1.53E-10	1.70E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1825	ALL	residential	479530.6	3621225	4.64E-07	30YrCancer	4.60E-07	3.35E-09	1.33E-10	1.48E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1788	ALL	residential	479330.6	3621125	4.63E-07	30YrCancer	4.60E-07	3.44E-09	1.37E-10	1.52E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	ALL	residential	488630.6	3618625	4.62E-07	30YrCancer	4.49E-07	1.25E-08	4.95E-10	5.52E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	ALL	residential	489130.6	3618125	4.57E-07	30YrCancer	4.44E-07	1.24E-08	4.92E-10	5.48E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	residential	488730.6	3618525	4.55E-07	30YrCancer	4.43E-07	1.22E-08	4.83E-10	5.39E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1760	ALL	residential	479030.6	3621025	4.54E-07	30YrCancer	4.50E-07	3.57E-09	1.42E-10	1.58E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1787	ALL	residential	479230.6	3621125	4.52E-07	30YrCancer	4.48E-07	3.43E-09	1.36E-10	1.52E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	residential	489030.6	3618225	4.51E-07	30YrCancer	4.38E-07	1.21E-08	4.80E-10	5.35E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	residential	488830.6	3618425	4.51E-07	30YrCancer	4.38E-07	1.20E-08	4.76E-10	5.30E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1590	ALL	residential	478430.6	3620525	4.50E-07	30YrCancer	4.46E-07	3.89E-09	1.55E-10	1.72E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1727	ALL	residential	478830.6	3620925	4.49E-07	30YrCancer	4.46E-07	3.69E-09	1.47E-10	1.63E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	residential	488930.6	3618325	4.48E-07	30YrCancer	4.36E-07	1.19E-08	4.74E-10	5.28E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1824	ALL	residential	479430.6	3621225	4.48E-07	30YrCancer	4.45E-07	3.31E-09	1.32E-10	1.47E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
844	ALL	residential	477730.6	3618925	4.44E-07	30YrCancer	4.40E-07	3.67E-09	1.46E-10	1.63E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1656	ALL	residential	478530.6	3620725	4.39E-07	30YrCancer	4.35E-07	3.81E-09	1.51E-10	1.69E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1551	ALL	residential	478330.6	3620425	4.37E-07	30YrCancer	4.33E-07	3.84E-09	1.52E-10	1.70E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1759	ALL	residential	478930.6	3621025	4.37E-07	30YrCancer	4.33E-07	3.51E-09	1.39E-10	1.55E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1786	ALL	residential	479130.6	3621125	4.37E-07	30YrCancer	4.34E-07	3.38E-09	1.34E-10	1.49E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1679	ALL	residential	478630.6	3620825	4.36E-07	30YrCancer	4.32E-07	3.73E-09	1.48E-10	1.65E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	residential	477730.6	3619025	4.33E-07	30YrCancer	4.29E-07	3.66E-09	1.45E-10	1.62E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1823	ALL	residential	479330.6	3621225	4.33E-07	30YrCancer	4.30E-07	3.26E-09	1.29E-10	1.44E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1626	ALL	residential	478430.6	3620625	4.30E-07	30YrCancer	4.26E-07	3.81E-09	1.51E-10	1.69E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1726	ALL	residential	478730.6	3620925	4.27E-07	30YrCancer	4.23E-07	3.60E-09	1.43E-10	1.59E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1509	ALL	residential	478230.6	3620325	4.23E-07	30YrCancer	4.20E-07	3.76E-09	1.49E-10	1.66E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1785	ALL	residential	479030.6	3621125	4.21E-07	30YrCancer	4.18E-07	3.31E-09	1.32E-10	1.47E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	residential	477730.6	3619125	4.20E-07	30YrCancer	4.16E-07	3.62E-09	1.44E-10	1.60E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1758	ALL	residential	478830.6	3621025	4.19E-07	30YrCancer	4.15E-07	3.45E-09	1.37E-10	1.53E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
1822	ALL	residential	479230.6	3621225	4.19E-07	30YrCancer	4.16E-07	3.17E-09	1.26E-10	1.40E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1589	ALL	residential	478330.6	3620525	4.17E-07	30YrCancer	4.14E-07	3.77E-09	1.50E-10	1.67E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1001	ALL	residential	477730.6	3619225	4.07E-07	30YrCancer	4.04E-07	3.54E-09	1.41E-10	1.57E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1655	ALL	residential	478430.6	3620725	4.07E-07	30YrCancer	4.03E-07	3.70E-09	1.47E-10	1.64E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1678	ALL	residential	478530.6	3620825	4.07E-07	30YrCancer	4.04E-07	3.64E-09	1.44E-10	1.61E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1821	ALL	residential	479130.6	3621225	4.07E-07	30YrCancer	4.03E-07	3.14E-09	1.24E-10	1.39E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1784	ALL	residential	478930.6	3621125	4.05E-07	30YrCancer	4.02E-07	3.26E-09	1.30E-10	1.44E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1550	ALL	residential	478230.6	3620425	4.03E-07	30YrCancer	3.99E-07	3.70E-09	1.47E-10	1.64E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1725	ALL	residential	478630.6	3620925	4.03E-07	30YrCancer	3.99E-07	3.52E-09	1.40E-10	1.56E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1625	ALL	residential	478330.6	3620625	3.99E-07	30YrCancer	3.95E-07	3.70E-09	1.47E-10	1.64E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1757	ALL	residential	478730.6	3621025	3.97E-07	30YrCancer	3.93E-07	3.38E-09	1.34E-10	1.49E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1056	ALL	residential	477730.6	3619325	3.94E-07	30YrCancer	3.91E-07	3.48E-09	1.38E-10	1.54E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1820	ALL	residential	479030.6	3621225	3.92E-07	30YrCancer	3.88E-07	3.08E-09	1.23E-10	1.37E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1783	ALL	residential	478830.6	3621125	3.89E-07	30YrCancer	3.85E-07	3.22E-09	1.28E-10	1.42E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1508	ALL	residential	478130.6	3620325	3.86E-07	30YrCancer	3.82E-07	3.60E-09	1.43E-10	1.59E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1588	ALL	residential	478230.6	3620525	3.86E-07	30YrCancer	3.82E-07	3.64E-09	1.45E-10	1.61E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1654	ALL	residential	478330.6	3620725	3.79E-07	30YrCancer	3.75E-07	3.60E-09	1.43E-10	1.59E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1677	ALL	residential	478430.6	3620825	3.78E-07	30YrCancer	3.75E-07	3.53E-09	1.40E-10	1.56E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1724	ALL	residential	478530.6	3620925	3.78E-07	30YrCancer	3.74E-07	3.44E-09	1.37E-10	1.52E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1819	ALL	residential	478930.6	3621225	3.77E-07	30YrCancer	3.74E-07	3.05E-09	1.21E-10	1.35E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1756	ALL	residential	478630.6	3621025	3.75E-07	30YrCancer	3.72E-07	3.31E-09	1.31E-10	1.46E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1113	ALL	residential	477730.6	3619425	3.71E-07	30YrCancer	3.67E-07	3.35E-09	1.33E-10	1.48E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1624	ALL	residential	478230.6	3620625	3.71E-07	30YrCancer	3.67E-07	3.58E-09	1.42E-10	1.58E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1782	ALL	residential	478730.6	3621125	3.70E-07	30YrCancer	3.67E-07	3.17E-09	1.26E-10	1.40E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1549	ALL	residential	478130.6	3620425	3.69E-07	30YrCancer	3.66E-07	3.54E-09	1.41E-10	1.57E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	residential	477630.6	3618925	3.68E-07	30YrCancer	3.65E-07	3.37E-09	1.34E-10	1.49E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1463	ALL	residential	478030.6	3620225	3.66E-07	30YrCancer	3.62E-07	3.47E-09	1.38E-10	1.53E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1291	ALL	residential	477830.6	3619825	3.63E-07	30YrCancer	3.60E-07	3.32E-09	1.32E-10	1.47E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL	residential	477630.6	3619025	3.62E-07	30YrCancer	3.58E-07	3.37E-09	1.34E-10	1.49E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1818	ALL	residential	478830.6	3621225	3.62E-07	30YrCancer	3.59E-07	3.01E-09	1.19E-10	1.33E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1587	ALL	residential	478130.6	3620525	3.56E-07	30YrCancer	3.52E-07	3.49E-09	1.39E-10	1.55E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL	residential	477630.6	3619125	3.55E-07	30YrCancer	3.51E-07	3.34E-09	1.33E-10	1.48E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1653	ALL	residential	478230.6	3620725	3.54E-07	30YrCancer	3.50E-07	3.49E-09	1.39E-10	1.54E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1676	ALL	residential	478330.6	3620825	3.54E-07	30YrCancer	3.50E-07	3.43E-09	1.36E-10	1.52E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1755	ALL	residential	478530.6	3621025	3.54E-07	30YrCancer	3.50E-07	3.23E-09	1.28E-10	1.43E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1723	ALL	residential	478430.6	3620925	3.53E-07	30YrCancer	3.50E-07	3.34E-09	1.33E-10	1.48E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1781	ALL	residential	478630.6	3621125	3.51E-07	30YrCancer	3.47E-07	3.10E-09	1.23E-10	1.37E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1507	ALL	residential	478030.6	3620325	3.49E-07	30YrCancer	3.45E-07	3.39E-09	1.35E-10	1.50E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	ALL	residential	477630.6	3619225	3.47E-07	30YrCancer	3.44E-07	3.30E-09	1.31E-10	1.46E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1170	ALL	residential	477730.6	3619525	3.47E-07	30YrCancer	3.44E-07	3.20E-09	1.27E-10	1.41E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1817	ALL	residential	478730.6	3621225	3.46E-07	30YrCancer	3.43E-07	2.96E-09	1.18E-10	1.31E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1417	ALL	residential	477930.6	3620125	3.45E-07	30YrCancer	3.41E-07	3.31E-09	1.31E-10	1.46E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1623	ALL	residential	478130.6	3620625	3.44E-07	30YrCancer	3.40E-07	3.44E-09	1.36E-10	1.52E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1330	ALL	residential	477830.6	3619925	3.42E-07	30YrCancer	3.39E-07	3.22E-09	1.28E-10	1.42E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1548	ALL	residential	478030.6	3620425	3.38E-07	30YrCancer	3.34E-07	3.35E-09	1.33E-10	1.48E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1055	ALL	residential	477630.6	3619325	3.37E-07	30YrCancer	3.33E-07	3.22E-09	1.28E-10	1.43E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1754	ALL	residential	478430.6	3621025	3.34E-07	30YrCancer	3.30E-07	3.15E-09	1.25E-10	1.40E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1675	ALL	residential	478230.6	3620825	3.33E-07	30YrCancer	3.29E-07	3.33E-09	1.32E-10	1.47E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1722	ALL	residential	478330.6	3620925	3.33E-07	30YrCancer	3.30E-07	3.25E-09	1.29E-10	1.44E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_F	EGG_RISK
1780	ALL	residential	478530.6	3621125	3.33E-07	30YrCancer	3.30E-07	3.04E-09	1.21E-10	1.34E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1210	ALL	residential	477730.6	3619625	3.32E-07	30YrCancer	3.29E-07	3.10E-09	1.23E-10	1.37E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1652	ALL	residential	478130.6	3620725	3.31E-07	30YrCancer	3.27E-07	3.36E-09	1.34E-10	1.49E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1816	ALL	residential	478630.6	3621225	3.29E-07	30YrCancer	3.26E-07	2.90E-09	1.15E-10	1.28E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1586	ALL	residential	478030.6	3620525	3.28E-07	30YrCancer	3.24E-07	3.31E-09	1.32E-10	1.47E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1462	ALL	residential	477930.6	3620225	3.24E-07	30YrCancer	3.21E-07	3.19E-09	1.27E-10	1.41E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1372	ALL	residential	477830.6	3620025	3.21E-07	30YrCancer	3.17E-07	3.10E-09	1.23E-10	1.37E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1112	ALL	residential	477630.6	3619425	3.19E-07	30YrCancer	3.16E-07	3.09E-09	1.23E-10	1.37E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1622	ALL	residential	478030.6	3620625	3.18E-07	30YrCancer	3.15E-07	3.28E-09	1.30E-10	1.45E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1251	ALL	residential	477730.6	3619725	3.17E-07	30YrCancer	3.14E-07	2.99E-09	1.19E-10	1.32E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1753	ALL	residential	478330.6	3621025	3.16E-07	30YrCancer	3.13E-07	3.08E-09	1.22E-10	1.36E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1721	ALL	residential	478230.6	3620925	3.15E-07	30YrCancer	3.12E-07	3.16E-09	1.26E-10	1.40E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1779	ALL	residential	478430.6	3621125	3.15E-07	30YrCancer	3.12E-07	2.96E-09	1.18E-10	1.31E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	residential	477530.6	3619025	3.14E-07	30YrCancer	3.11E-07	3.18E-09	1.26E-10	1.41E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1815	ALL	residential	478530.6	3621225	3.14E-07	30YrCancer	3.11E-07	2.85E-09	1.13E-10	1.26E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1506	ALL	residential	477930.6	3620325	3.12E-07	30YrCancer	3.09E-07	3.13E-09	1.24E-10	1.39E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	residential	477530.6	3619125	3.11E-07	30YrCancer	3.08E-07	3.16E-09	1.26E-10	1.40E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1674	ALL	residential	478130.6	3620825	3.11E-07	30YrCancer	3.08E-07	3.21E-09	1.27E-10	1.42E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1651	ALL	residential	478030.6	3620725	3.07E-07	30YrCancer	3.04E-07	3.21E-09	1.28E-10	1.42E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1547	ALL	residential	477930.6	3620425	3.06E-07	30YrCancer	3.02E-07	3.11E-09	1.24E-10	1.38E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
999	ALL	residential	477530.6	3619225	3.04E-07	30YrCancer	3.01E-07	3.10E-09	1.23E-10	1.37E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1290	ALL	residential	477730.6	3619825	3.00E-07	30YrCancer	2.97E-07	2.87E-09	1.14E-10	1.27E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1778	ALL	residential	478330.6	3621125	3.00E-07	30YrCancer	2.97E-07	2.90E-09	1.15E-10	1.28E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1585	ALL	residential	477930.6	3620525	2.99E-07	30YrCancer	2.96E-07	3.09E-09	1.23E-10	1.37E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1752	ALL	residential	478230.6	3621025	2.99E-07	30YrCancer	2.96E-07	2.99E-09	1.19E-10	1.32E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1814	ALL	residential	478430.6	3621225	2.99E-07	30YrCancer	2.96E-07	2.79E-09	1.11E-10	1.23E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1416	ALL	residential	477830.6	3620125	2.98E-07	30YrCancer	2.95E-07	2.94E-09	1.17E-10	1.30E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1169	ALL	residential	477630.6	3619525	2.97E-07	30YrCancer	2.94E-07	2.89E-09	1.15E-10	1.28E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1720	ALL	residential	478130.6	3620925	2.96E-07	30YrCancer	2.93E-07	3.06E-09	1.21E-10	1.35E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1054	ALL	residential	477530.6	3619325	2.94E-07	30YrCancer	2.91E-07	3.00E-09	1.19E-10	1.33E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1621	ALL	residential	477930.6	3620625	2.92E-07	30YrCancer	2.89E-07	3.08E-09	1.22E-10	1.36E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1673	ALL	residential	478030.6	3620825	2.91E-07	30YrCancer	2.88E-07	3.07E-09	1.22E-10	1.36E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1329	ALL	residential	477730.6	3619925	2.85E-07	30YrCancer	2.82E-07	2.76E-09	1.10E-10	1.22E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1813	ALL	residential	478330.6	3621225	2.85E-07	30YrCancer	2.82E-07	2.72E-09	1.08E-10	1.21E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1650	ALL	residential	477930.6	3620725	2.84E-07	30YrCancer	2.81E-07	3.03E-09	1.20E-10	1.34E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1777	ALL	residential	478230.6	3621125	2.84E-07	30YrCancer	2.81E-07	2.81E-09	1.12E-10	1.24E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1751	ALL	residential	478130.6	3621025	2.82E-07	30YrCancer	2.79E-07	2.89E-09	1.15E-10	1.28E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1461	ALL	residential	477830.6	3620225	2.81E-07	30YrCancer	2.78E-07	2.82E-09	1.12E-10	1.25E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	residential	477430.6	3619025	2.78E-07	30YrCancer	2.75E-07	2.98E-09	1.18E-10	1.32E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1209	ALL	residential	477630.6	3619625	2.78E-07	30YrCancer	2.76E-07	2.70E-09	1.07E-10	1.20E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1719	ALL	residential	478030.6	3620925	2.77E-07	30YrCancer	2.74E-07	2.93E-09	1.16E-10	1.30E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1111	ALL	residential	477530.6	3619425	2.76E-07	30YrCancer	2.73E-07	2.81E-09	1.11E-10	1.24E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1505	ALL	residential	477830.6	3620325	2.76E-07	30YrCancer	2.74E-07	2.83E-09	1.12E-10	1.25E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	residential	477430.6	3619125	2.75E-07	30YrCancer	2.72E-07	2.95E-09	1.17E-10	1.31E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1546	ALL	residential	477830.6	3620425	2.75E-07	30YrCancer	2.72E-07	2.87E-09	1.14E-10	1.27E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1584	ALL	residential	477830.6	3620525	2.71E-07	30YrCancer	2.68E-07	2.86E-09	1.14E-10	1.27E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1672	ALL	residential	477930.6	3620825	2.71E-07	30YrCancer	2.68E-07	2.92E-09	1.16E-10	1.29E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1812	ALL	residential	478230.6	3621225	2.71E-07	30YrCancer	2.68E-07	2.65E-09	1.05E-10	1.17E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
998	ALL	residential	477430.6	3619225	2.69E-07	30YrCancer	2.66E-07	2.87E-09	1.14E-10	1.27E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
1371	ALL	residential	477730.6	3620025	2.69E-07	30YrCancer	2.66E-07	2.66E-09	1.06E-10	1.18E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1776	ALL	residential	478130.6	3621125	2.68E-07	30YrCancer	2.65E-07	2.72E-09	1.08E-10	1.21E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1620	ALL	residential	477830.6	3620625	2.66E-07	30YrCancer	2.63E-07	2.86E-09	1.13E-10	1.26E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1750	ALL	residential	478030.6	3621025	2.66E-07	30YrCancer	2.63E-07	2.81E-09	1.11E-10	1.24E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1250	ALL	residential	477630.6	3619725	2.60E-07	30YrCancer	2.58E-07	2.52E-09	1.00E-10	1.12E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1649	ALL	residential	477830.6	3620725	2.59E-07	30YrCancer	2.56E-07	2.83E-09	1.12E-10	1.25E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1718	ALL	residential	477930.6	3620925	2.59E-07	30YrCancer	2.56E-07	2.81E-09	1.12E-10	1.25E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1168	ALL	residential	477530.6	3619525	2.57E-07	30YrCancer	2.54E-07	2.60E-09	1.03E-10	1.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1811	ALL	residential	478130.6	3621225	2.56E-07	30YrCancer	2.53E-07	2.58E-09	1.02E-10	1.14E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1415	ALL	residential	477730.6	3620125	2.55E-07	30YrCancer	2.53E-07	2.58E-09	1.03E-10	1.14E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1053	ALL	residential	477430.6	3619325	2.54E-07	30YrCancer	2.51E-07	2.70E-09	1.07E-10	1.19E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1545	ALL	residential	477730.6	3620425	2.54E-07	30YrCancer	2.51E-07	2.72E-09	1.08E-10	1.20E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1460	ALL	residential	477730.6	3620225	2.53E-07	30YrCancer	2.50E-07	2.62E-09	1.04E-10	1.16E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1504	ALL	residential	477730.6	3620325	2.53E-07	30YrCancer	2.51E-07	2.67E-09	1.06E-10	1.18E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1671	ALL	residential	477830.6	3620825	2.53E-07	30YrCancer	2.50E-07	2.79E-09	1.11E-10	1.24E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1775	ALL	residential	478030.6	3621125	2.51E-07	30YrCancer	2.48E-07	2.63E-09	1.04E-10	1.16E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1289	ALL	residential	477630.6	3619825	2.48E-07	30YrCancer	2.45E-07	2.43E-09	9.63E-11	1.07E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1583	ALL	residential	477730.6	3620525	2.47E-07	30YrCancer	2.45E-07	2.68E-09	1.07E-10	1.19E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1749	ALL	residential	477930.6	3621025	2.46E-07	30YrCancer	2.44E-07	2.67E-09	1.06E-10	1.18E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	residential	477330.6	3619025	2.44E-07	30YrCancer	2.41E-07	2.71E-09	1.08E-10	1.20E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1328	ALL	residential	477630.6	3619925	2.44E-07	30YrCancer	2.41E-07	2.43E-09	9.64E-11	1.07E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1717	ALL	residential	477830.6	3620925	2.44E-07	30YrCancer	2.41E-07	2.72E-09	1.08E-10	1.20E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1370	ALL	residential	477630.6	3620025	2.43E-07	30YrCancer	2.41E-07	2.48E-09	9.85E-11	1.10E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1619	ALL	residential	477730.6	3620625	2.43E-07	30YrCancer	2.40E-07	2.67E-09	1.06E-10	1.18E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1414	ALL	residential	477630.6	3620125	2.42E-07	30YrCancer	2.39E-07	2.53E-09	1.00E-10	1.12E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL	residential	477330.6	3619125	2.41E-07	30YrCancer	2.38E-07	2.68E-09	1.06E-10	1.18E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1208	ALL	residential	477530.6	3619625	2.41E-07	30YrCancer	2.38E-07	2.41E-09	9.59E-11	1.07E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1459	ALL	residential	477630.6	3620225	2.40E-07	30YrCancer	2.37E-07	2.56E-09	1.02E-10	1.13E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1648	ALL	residential	477730.6	3620725	2.40E-07	30YrCancer	2.38E-07	2.69E-09	1.07E-10	1.19E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1810	ALL	residential	478030.6	3621225	2.40E-07	30YrCancer	2.37E-07	2.48E-09	9.86E-11	1.10E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1110	ALL	residential	477430.6	3619425	2.39E-07	30YrCancer	2.36E-07	2.52E-09	1.00E-10	1.12E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1503	ALL	residential	477630.6	3620325	2.39E-07	30YrCancer	2.36E-07	2.59E-09	1.03E-10	1.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1544	ALL	residential	477630.6	3620425	2.37E-07	30YrCancer	2.34E-07	2.61E-09	1.04E-10	1.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1670	ALL	residential	477730.6	3620825	2.36E-07	30YrCancer	2.33E-07	2.68E-09	1.06E-10	1.18E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1748	ALL	residential	477830.6	3621025	2.35E-07	30YrCancer	2.32E-07	2.62E-09	1.04E-10	1.16E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
997	ALL	residential	477330.6	3619225	2.34E-07	30YrCancer	2.31E-07	2.60E-09	1.03E-10	1.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1582	ALL	residential	477630.6	3620525	2.34E-07	30YrCancer	2.31E-07	2.60E-09	1.03E-10	1.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1774	ALL	residential	477930.6	3621125	2.33E-07	30YrCancer	2.30E-07	2.51E-09	9.98E-11	1.11E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1716	ALL	residential	477730.6	3620925	2.32E-07	30YrCancer	2.29E-07	2.66E-09	1.06E-10	1.18E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1618	ALL	residential	477630.6	3620625	2.31E-07	30YrCancer	2.28E-07	2.61E-09	1.04E-10	1.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1249	ALL	residential	477530.6	3619725	2.30E-07	30YrCancer	2.28E-07	2.31E-09	9.18E-11	1.02E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1288	ALL	residential	477530.6	3619825	2.30E-07	30YrCancer	2.27E-07	2.33E-09	9.25E-11	1.03E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1413	ALL	residential	477530.6	3620125	2.30E-07	30YrCancer	2.27E-07	2.47E-09	9.82E-11	1.09E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1327	ALL	residential	477530.6	3619925	2.29E-07	30YrCancer	2.26E-07	2.36E-09	9.36E-11	1.04E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1369	ALL	residential	477530.6	3620025	2.29E-07	30YrCancer	2.27E-07	2.41E-09	9.57E-11	1.07E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1458	ALL	residential	477530.6	3620225	2.28E-07	30YrCancer	2.26E-07	2.51E-09	9.98E-11	1.11E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1647	ALL	residential	477630.6	3620725	2.28E-07	30YrCancer	2.25E-07	2.61E-09	1.04E-10	1.16E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1502	ALL	residential	477530.6	3620325	2.27E-07	30YrCancer	2.24E-07	2.54E-09	1.01E-10	1.12E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1747	ALL	residential	477730.6	3621025	2.26E-07	30YrCancer	2.23E-07	2.60E-09	1.03E-10	1.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
1167	ALL	residential	477430.6	3619525	2.25E-07	30YrCancer	2.22E-07	2.36E-09	9.36E-11	1.04E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1543	ALL	residential	477530.6	3620425	2.25E-07	30YrCancer	2.22E-07	2.55E-09	1.01E-10	1.13E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1809	ALL	residential	477930.6	3621225	2.25E-07	30YrCancer	2.22E-07	2.40E-09	9.54E-11	1.06E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1669	ALL	residential	477630.6	3620825	2.24E-07	30YrCancer	2.21E-07	2.60E-09	1.03E-10	1.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1773	ALL	residential	477830.6	3621125	2.24E-07	30YrCancer	2.22E-07	2.50E-09	9.91E-11	1.10E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1581	ALL	residential	477530.6	3620525	2.23E-07	30YrCancer	2.21E-07	2.55E-09	1.01E-10	1.13E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1052	ALL	residential	477330.6	3619325	2.22E-07	30YrCancer	2.19E-07	2.45E-09	9.73E-11	1.08E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1617	ALL	residential	477530.6	3620625	2.21E-07	30YrCancer	2.18E-07	2.56E-09	1.02E-10	1.13E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1207	ALL	residential	477430.6	3619625	2.19E-07	30YrCancer	2.17E-07	2.29E-09	9.08E-11	1.01E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1646	ALL	residential	477530.6	3620725	2.19E-07	30YrCancer	2.16E-07	2.57E-09	1.02E-10	1.14E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1715	ALL	residential	477630.6	3620925	2.19E-07	30YrCancer	2.17E-07	2.58E-09	1.02E-10	1.14E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1457	ALL	residential	477430.6	3620225	2.18E-07	30YrCancer	2.15E-07	2.46E-09	9.77E-11	1.09E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1368	ALL	residential	477430.6	3620025	2.17E-07	30YrCancer	2.14E-07	2.34E-09	9.31E-11	1.04E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1412	ALL	residential	477430.6	3620125	2.17E-07	30YrCancer	2.15E-07	2.40E-09	9.55E-11	1.06E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1501	ALL	residential	477430.6	3620325	2.17E-07	30YrCancer	2.14E-07	2.49E-09	9.88E-11	1.10E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1248	ALL	residential	477430.6	3619725	2.16E-07	30YrCancer	2.13E-07	2.25E-09	8.93E-11	9.95E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1287	ALL	residential	477430.6	3619825	2.16E-07	30YrCancer	2.14E-07	2.26E-09	8.99E-11	1.00E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1326	ALL	residential	477430.6	3619925	2.16E-07	30YrCancer	2.14E-07	2.30E-09	9.13E-11	1.02E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL	residential	477230.6	3619125	2.15E-07	30YrCancer	2.12E-07	2.48E-09	9.84E-11	1.10E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1542	ALL	residential	477430.6	3620425	2.15E-07	30YrCancer	2.13E-07	2.50E-09	9.94E-11	1.11E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1668	ALL	residential	477530.6	3620825	2.15E-07	30YrCancer	2.13E-07	2.56E-09	1.02E-10	1.13E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	residential	477230.6	3619025	2.14E-07	30YrCancer	2.12E-07	2.46E-09	9.78E-11	1.09E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1109	ALL	residential	477330.6	3619425	2.14E-07	30YrCancer	2.12E-07	2.35E-09	9.35E-11	1.04E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1580	ALL	residential	477430.6	3620525	2.14E-07	30YrCancer	2.11E-07	2.51E-09	9.96E-11	1.11E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
996	ALL	residential	477230.6	3619225	2.12E-07	30YrCancer	2.10E-07	2.45E-09	9.71E-11	1.08E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1616	ALL	residential	477430.6	3620625	2.12E-07	30YrCancer	2.09E-07	2.51E-09	9.99E-11	1.11E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1714	ALL	residential	477530.6	3620925	2.12E-07	30YrCancer	2.09E-07	2.55E-09	1.01E-10	1.13E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1166	ALL	residential	477330.6	3619525	2.10E-07	30YrCancer	2.08E-07	2.29E-09	9.10E-11	1.01E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1645	ALL	residential	477430.6	3620725	2.10E-07	30YrCancer	2.07E-07	2.52E-09	1.00E-10	1.12E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1051	ALL	residential	477230.6	3619325	2.08E-07	30YrCancer	2.05E-07	2.38E-09	9.46E-11	1.05E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1411	ALL	residential	477330.6	3620125	2.07E-07	30YrCancer	2.04E-07	2.34E-09	9.30E-11	1.04E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1456	ALL	residential	477330.6	3620225	2.07E-07	30YrCancer	2.05E-07	2.40E-09	9.53E-11	1.06E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1500	ALL	residential	477330.6	3620325	2.07E-07	30YrCancer	2.04E-07	2.43E-09	9.67E-11	1.08E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1667	ALL	residential	477430.6	3620825	2.07E-07	30YrCancer	2.05E-07	2.52E-09	1.00E-10	1.12E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1206	ALL	residential	477330.6	3619625	2.06E-07	30YrCancer	2.04E-07	2.23E-09	8.86E-11	9.87E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1325	ALL	residential	477330.6	3619925	2.06E-07	30YrCancer	2.03E-07	2.24E-09	8.90E-11	9.92E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1367	ALL	residential	477330.6	3620025	2.06E-07	30YrCancer	2.04E-07	2.29E-09	9.08E-11	1.01E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1247	ALL	residential	477330.6	3619725	2.05E-07	30YrCancer	2.02E-07	2.21E-09	8.76E-11	9.76E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1286	ALL	residential	477330.6	3619825	2.05E-07	30YrCancer	2.03E-07	2.21E-09	8.79E-11	9.80E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1541	ALL	residential	477330.6	3620425	2.05E-07	30YrCancer	2.02E-07	2.44E-09	9.70E-11	1.08E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1579	ALL	residential	477330.6	3620525	2.04E-07	30YrCancer	2.02E-07	2.46E-09	9.75E-11	1.09E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1615	ALL	residential	477330.6	3620625	2.03E-07	30YrCancer	2.01E-07	2.47E-09	9.79E-11	1.09E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1108	ALL	residential	477230.6	3619425	2.02E-07	30YrCancer	2.00E-07	2.30E-09	9.15E-11	1.02E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1644	ALL	residential	477330.6	3620725	2.02E-07	30YrCancer	1.99E-07	2.48E-09	9.84E-11	1.10E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL	residential	477130.6	3619125	2.01E-07	30YrCancer	1.99E-07	2.39E-09	9.49E-11	1.06E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	residential	477130.6	3619025	2.00E-07	30YrCancer	1.98E-07	2.37E-09	9.42E-11	1.05E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
995	ALL	residential	477130.6	3619225	2.00E-07	30YrCancer	1.97E-07	2.38E-09	9.43E-11	1.05E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1165	ALL	residential	477230.6	3619525	1.98E-07	30YrCancer	1.96E-07	2.24E-09	8.89E-11	9.90E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1050	ALL	residential	477130.6	3619325	1.97E-07	30YrCancer	1.94E-07	2.34E-09	9.27E-11	1.03E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
1205	ALL	residential	477230.6	3619625	1.96E-07	30YrCancer	1.94E-07	2.19E-09	8.69E-11	9.69E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1455	ALL	residential	477230.6	3620225	1.96E-07	30YrCancer	1.94E-07	2.32E-09	9.21E-11	1.03E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1499	ALL	residential	477230.6	3620325	1.96E-07	30YrCancer	1.94E-07	2.36E-09	9.37E-11	1.04E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1366	ALL	residential	477230.6	3620025	1.95E-07	30YrCancer	1.92E-07	2.21E-09	8.77E-11	9.78E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1410	ALL	residential	477230.6	3620125	1.95E-07	30YrCancer	1.93E-07	2.26E-09	8.98E-11	1.00E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1540	ALL	residential	477230.6	3620425	1.95E-07	30YrCancer	1.93E-07	2.38E-09	9.46E-11	1.05E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1324	ALL	residential	477230.6	3619925	1.94E-07	30YrCancer	1.92E-07	2.17E-09	8.62E-11	9.60E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1578	ALL	residential	477230.6	3620525	1.94E-07	30YrCancer	1.92E-07	2.39E-09	9.50E-11	1.06E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1246	ALL	residential	477230.6	3619725	1.93E-07	30YrCancer	1.91E-07	2.14E-09	8.52E-11	9.49E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1285	ALL	residential	477230.6	3619825	1.93E-07	30YrCancer	1.91E-07	2.15E-09	8.52E-11	9.50E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1614	ALL	residential	477230.6	3620625	1.93E-07	30YrCancer	1.91E-07	2.40E-09	9.52E-11	1.06E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL	residential	477030.6	3619125	1.91E-07	30YrCancer	1.89E-07	2.32E-09	9.23E-11	1.03E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1107	ALL	residential	477130.6	3619425	1.91E-07	30YrCancer	1.89E-07	2.26E-09	8.96E-11	9.98E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	residential	477030.6	3619025	1.90E-07	30YrCancer	1.88E-07	2.30E-09	9.14E-11	1.02E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
994	ALL	residential	477030.6	3619225	1.90E-07	30YrCancer	1.87E-07	2.32E-09	9.20E-11	1.03E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1049	ALL	residential	477030.6	3619325	1.87E-07	30YrCancer	1.84E-07	2.28E-09	9.06E-11	1.01E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1164	ALL	residential	477130.6	3619525	1.87E-07	30YrCancer	1.85E-07	2.19E-09	8.68E-11	9.68E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1409	ALL	residential	477130.6	3620125	1.86E-07	30YrCancer	1.84E-07	2.20E-09	8.73E-11	9.73E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1454	ALL	residential	477130.6	3620225	1.86E-07	30YrCancer	1.84E-07	2.25E-09	8.93E-11	9.95E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1498	ALL	residential	477130.6	3620325	1.86E-07	30YrCancer	1.84E-07	2.29E-09	9.08E-11	1.01E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1539	ALL	residential	477130.6	3620425	1.86E-07	30YrCancer	1.83E-07	2.31E-09	9.18E-11	1.02E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1204	ALL	residential	477130.6	3619625	1.85E-07	30YrCancer	1.83E-07	2.14E-09	8.48E-11	9.45E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1577	ALL	residential	477130.6	3620525	1.85E-07	30YrCancer	1.83E-07	2.32E-09	9.23E-11	1.03E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1245	ALL	residential	477130.6	3619725	1.84E-07	30YrCancer	1.82E-07	2.10E-09	8.35E-11	9.30E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1365	ALL	residential	477130.6	3620025	1.84E-07	30YrCancer	1.82E-07	2.14E-09	8.50E-11	9.47E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1284	ALL	residential	477130.6	3619825	1.83E-07	30YrCancer	1.81E-07	2.08E-09	8.27E-11	9.22E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1323	ALL	residential	477130.6	3619925	1.83E-07	30YrCancer	1.81E-07	2.10E-09	8.35E-11	9.30E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1106	ALL	residential	477030.6	3619425	1.81E-07	30YrCancer	1.79E-07	2.21E-09	8.76E-11	9.76E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
993	ALL	residential	476930.6	3619225	1.80E-07	30YrCancer	1.77E-07	2.25E-09	8.95E-11	9.98E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1163	ALL	residential	477030.6	3619525	1.78E-07	30YrCancer	1.76E-07	2.14E-09	8.49E-11	9.46E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1408	ALL	residential	477030.6	3620125	1.77E-07	30YrCancer	1.74E-07	2.13E-09	8.45E-11	9.41E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1453	ALL	residential	477030.6	3620225	1.77E-07	30YrCancer	1.75E-07	2.17E-09	8.63E-11	9.62E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1497	ALL	residential	477030.6	3620325	1.77E-07	30YrCancer	1.75E-07	2.21E-09	8.79E-11	9.80E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1538	ALL	residential	477030.6	3620425	1.77E-07	30YrCancer	1.75E-07	2.24E-09	8.91E-11	9.93E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1048	ALL	residential	476930.6	3619325	1.76E-07	30YrCancer	1.73E-07	2.21E-09	8.79E-11	9.80E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1203	ALL	residential	477030.6	3619625	1.76E-07	30YrCancer	1.74E-07	2.09E-09	8.28E-11	9.23E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1322	ALL	residential	477030.6	3619925	1.76E-07	30YrCancer	1.74E-07	2.05E-09	8.16E-11	9.09E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1364	ALL	residential	477030.6	3620025	1.76E-07	30YrCancer	1.74E-07	2.08E-09	8.28E-11	9.23E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1244	ALL	residential	477030.6	3619725	1.75E-07	30YrCancer	1.73E-07	2.05E-09	8.15E-11	9.08E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1283	ALL	residential	477030.6	3619825	1.75E-07	30YrCancer	1.73E-07	2.04E-09	8.11E-11	9.04E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1105	ALL	residential	476930.6	3619425	1.72E-07	30YrCancer	1.70E-07	2.16E-09	8.56E-11	9.54E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
992	ALL	residential	476830.6	3619225	1.70E-07	30YrCancer	1.68E-07	2.19E-09	8.68E-11	9.67E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1162	ALL	residential	476930.6	3619525	1.69E-07	30YrCancer	1.67E-07	2.09E-09	8.31E-11	9.26E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1452	ALL	residential	476930.6	3620225	1.69E-07	30YrCancer	1.66E-07	2.11E-09	8.36E-11	9.32E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1496	ALL	residential	476930.6	3620325	1.69E-07	30YrCancer	1.67E-07	2.15E-09	8.54E-11	9.52E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1537	ALL	residential	476930.6	3620425	1.69E-07	30YrCancer	1.67E-07	2.18E-09	8.66E-11	9.65E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1407	ALL	residential	476930.6	3620125	1.68E-07	30YrCancer	1.66E-07	2.06E-09	8.17E-11	9.10E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1047	ALL	residential	476830.6	3619325	1.67E-07	30YrCancer	1.65E-07	2.16E-09	8.58E-11	9.56E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1202	ALL	residential	476930.6	3619625	1.67E-07	30YrCancer	1.65E-07	2.04E-09	8.09E-11	9.01E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	GROUP	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_F	EGG_RISK
1321	ALL	residential	476930.6	3619925	1.67E-07	30YrCancer	1.65E-07	1.99E-09	7.92E-11	8.82E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1363	ALL	residential	476930.6	3620025	1.67E-07	30YrCancer	1.65E-07	2.02E-09	8.02E-11	8.93E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1243	ALL	residential	476930.6	3619725	1.66E-07	30YrCancer	1.64E-07	2.00E-09	7.94E-11	8.85E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1282	ALL	residential	476930.6	3619825	1.66E-07	30YrCancer	1.64E-07	1.99E-09	7.89E-11	8.79E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1104	ALL	residential	476830.6	3619425	1.63E-07	30YrCancer	1.61E-07	2.10E-09	8.33E-11	9.29E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
991	ALL	residential	476730.6	3619225	1.62E-07	30YrCancer	1.60E-07	2.13E-09	8.45E-11	9.42E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1451	ALL	residential	476830.6	3620225	1.62E-07	30YrCancer	1.59E-07	2.05E-09	8.13E-11	9.06E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1495	ALL	residential	476830.6	3620325	1.62E-07	30YrCancer	1.60E-07	2.09E-09	8.32E-11	9.27E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1161	ALL	residential	476830.6	3619525	1.61E-07	30YrCancer	1.59E-07	2.05E-09	8.13E-11	9.06E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1046	ALL	residential	476730.6	3619325	1.60E-07	30YrCancer	1.57E-07	2.11E-09	8.38E-11	9.34E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1201	ALL	residential	476830.6	3619625	1.60E-07	30YrCancer	1.57E-07	1.99E-09	7.91E-11	8.81E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1406	ALL	residential	476830.6	3620125	1.60E-07	30YrCancer	1.58E-07	2.00E-09	7.92E-11	8.83E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1242	ALL	residential	476830.6	3619725	1.59E-07	30YrCancer	1.57E-07	1.95E-09	7.75E-11	8.64E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1281	ALL	residential	476830.6	3619825	1.59E-07	30YrCancer	1.57E-07	1.93E-09	7.67E-11	8.55E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1320	ALL	residential	476830.6	3619925	1.59E-07	30YrCancer	1.57E-07	1.93E-09	7.68E-11	8.56E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1362	ALL	residential	476830.6	3620025	1.59E-07	30YrCancer	1.57E-07	1.95E-09	7.76E-11	8.65E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1450	ALL	residential	476730.6	3620225	1.58E-07	30YrCancer	1.56E-07	2.02E-09	8.02E-11	8.94E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1103	ALL	residential	476730.6	3619425	1.57E-07	30YrCancer	1.55E-07	2.06E-09	8.20E-11	9.14E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1405	ALL	residential	476730.6	3620125	1.56E-07	30YrCancer	1.54E-07	1.97E-09	7.81E-11	8.71E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1319	ALL	residential	476730.6	3619925	1.55E-07	30YrCancer	1.53E-07	1.91E-09	7.60E-11	8.47E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1361	ALL	residential	476730.6	3620025	1.55E-07	30YrCancer	1.53E-07	1.93E-09	7.66E-11	8.54E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1160	ALL	residential	476730.6	3619525	1.54E-07	30YrCancer	1.52E-07	2.01E-09	7.96E-11	8.88E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	ALL	residential	476730.6	3619625	1.53E-07	30YrCancer	1.51E-07	1.95E-09	7.73E-11	8.62E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1241	ALL	residential	476730.6	3619725	1.53E-07	30YrCancer	1.51E-07	1.92E-09	7.63E-11	8.50E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1280	ALL	residential	476730.6	3619825	1.53E-07	30YrCancer	1.51E-07	1.90E-09	7.55E-11	8.42E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:58:20 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Rec15YrHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK
133	ALL	recreationa	485836.6	3617642	4.24E-06	15YrCance	1.89E-06	2.25E-06	1.07E-07	1.06E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	recreationa	485905.3	3617589	3.51E-06	15YrCance	1.86E-06	1.57E-06	7.51E-08	7.42E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	recreationa	485877.4	3617694	2.80E-06	15YrCance	1.27E-06	1.46E-06	6.97E-08	6.89E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	ALL	recreationa	485958.4	3617628	2.56E-06	15YrCance	1.36E-06	1.15E-06	5.49E-08	5.43E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	recreationa	485934.2	3617687	2.28E-06	15YrCance	1.12E-06	1.11E-06	5.31E-08	5.25E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	recreationa	485919.6	3617746	1.96E-06	15YrCance	9.33E-07	9.79E-07	4.68E-08	4.62E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	recreationa	485955.6	3617717	1.89E-06	15YrCance	9.27E-07	9.17E-07	4.38E-08	4.33E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	recreationa	486000.5	3617683	1.82E-06	15YrCance	9.40E-07	8.44E-07	4.03E-08	3.99E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	recreationa	485130.6	3618525	3.09E-07	15YrCance	1.91E-07	1.12E-07	5.35E-09	5.28E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	ALL	recreationa	485030.6	3618425	2.82E-07	15YrCance	1.84E-07	9.30E-08	4.44E-09	4.39E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	recreationa	485030.6	3618525	2.63E-07	15YrCance	1.73E-07	8.67E-08	4.14E-09	4.09E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	ALL	recreationa	484630.6	3618425	2.51E-07	15YrCance	1.97E-07	5.24E-08	2.50E-09	2.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	ALL	recreationa	484950.3	3618481	2.48E-07	15YrCance	1.69E-07	7.48E-08	3.58E-09	3.53E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	ALL	recreationa	485030.6	3618625	2.47E-07	15YrCance	1.62E-07	8.14E-08	3.89E-09	3.84E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	ALL	recreationa	484730.6	3618425	2.44E-07	15YrCance	1.84E-07	5.72E-08	2.74E-09	2.70E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	recreationa	484930.6	3618525	2.36E-07	15YrCance	1.63E-07	6.97E-08	3.33E-09	3.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	recreationa	484530.6	3618525	2.27E-07	15YrCance	1.83E-07	4.22E-08	2.02E-09	1.99E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	ALL	recreationa	484930.6	3618625	2.21E-07	15YrCance	1.52E-07	6.54E-08	3.13E-09	3.09E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	ALL	recreationa	484630.6	3618525	2.19E-07	15YrCance	1.71E-07	4.58E-08	2.19E-09	2.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	recreationa	484329.5	3618645	2.16E-07	15YrCance	1.83E-07	3.22E-08	1.54E-09	1.52E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	recreationa	484433.8	3618609	2.13E-07	15YrCance	1.75E-07	3.56E-08	1.70E-09	1.68E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	ALL	recreationa	484930.6	3618725	2.07E-07	15YrCance	1.42E-07	6.20E-08	2.96E-09	2.93E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	ALL	recreationa	484230.6	3618725	2.07E-07	15YrCance	1.78E-07	2.79E-08	1.33E-09	1.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	ALL	recreationa	484830.6	3618625	2.04E-07	15YrCance	1.47E-07	5.43E-08	2.59E-09	2.56E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	ALL	recreationa	484730.6	3618625	1.97E-07	15YrCance	1.48E-07	4.66E-08	2.23E-09	2.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	recreationa	484630.6	3618625	1.95E-07	15YrCance	1.52E-07	4.12E-08	1.97E-09	1.95E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	ALL	recreationa	484130.6	3618825	1.93E-07	15YrCance	1.68E-07	2.39E-08	1.14E-09	1.13E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	ALL	recreationa	484330.6	3618725	1.93E-07	15YrCance	1.62E-07	2.94E-08	1.40E-09	1.39E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	ALL	recreationa	484830.6	3618725	1.91E-07	15YrCance	1.37E-07	5.12E-08	2.45E-09	2.42E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	recreationa	484630.6	3617325	1.90E-07	15YrCance	1.26E-07	6.18E-08	2.95E-09	2.92E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	recreationa	484030.6	3618925	1.81E-07	15YrCance	1.60E-07	2.09E-08	9.97E-10	9.85E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	ALL	recreationa	484730.6	3618725	1.81E-07	15YrCance	1.36E-07	4.36E-08	2.08E-09	2.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	recreationa	484630.6	3617225	1.81E-07	15YrCance	1.19E-07	5.91E-08	2.83E-09	2.79E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	ALL	recreationa	484630.6	3618725	1.78E-07	15YrCance	1.38E-07	3.81E-08	1.82E-09	1.80E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	recreationa	484530.6	3617325	1.74E-07	15YrCance	1.17E-07	5.46E-08	2.61E-09	2.58E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	recreationa	484430.6	3617425	1.72E-07	15YrCance	1.17E-07	5.19E-08	2.48E-09	2.45E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	recreationa	483930.6	3619025	1.71E-07	15YrCance	1.51E-07	1.84E-08	8.78E-10	8.68E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	ALL	recreationa	484730.6	3618825	1.69E-07	15YrCance	1.26E-07	4.14E-08	1.98E-09	1.95E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
846	ALL	recreationa	484130.6	3618925	1.69E-07	15YrCance	1.46E-07	2.19E-08	1.05E-09	1.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	ALL	recreationa	484630.6	3618825	1.64E-07	15YrCance	1.26E-07	3.59E-08	1.72E-09	1.70E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	recreationa	484530.6	3617225	1.64E-07	15YrCance	1.10E-07	5.12E-08	2.45E-09	2.42E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	recreationa	484630.6	3616825	1.63E-07	15YrCance	1.07E-07	5.41E-08	2.59E-09	2.56E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	ALL	recreationa	484530.6	3618825	1.63E-07	15YrCance	1.29E-07	3.19E-08	1.53E-09	1.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	recreationa	483830.6	3619125	1.61E-07	15YrCance	1.44E-07	1.63E-08	7.80E-10	7.71E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	recreationa	484430.6	3617325	1.61E-07	15YrCance	1.10E-07	4.87E-08	2.33E-09	2.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	recreationa	484030.6	3619025	1.58E-07	15YrCance	1.38E-07	1.92E-08	9.19E-10	9.08E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	recreationa	484330.6	3617425	1.58E-07	15YrCance	1.10E-07	4.61E-08	2.20E-09	2.17E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	recreationa	484530.6	3617125	1.58E-07	15YrCance	1.06E-07	4.96E-08	2.37E-09	2.34E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:58:20 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Rec15YrHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_R	EGG_RISK
1061	ALL	recreationa	483530.6	3619325	1.57E-07	15YrCance	1.44E-07	1.27E-08	6.09E-10	6.01E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	recreationa	484530.6	3617025	1.53E-07	15YrCance	1.02E-07	4.85E-08	2.32E-09	2.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849	ALL	recreationa	484630.6	3618925	1.53E-07	15YrCance	1.17E-07	3.42E-08	1.64E-09	1.62E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	recreationa	484430.6	3617225	1.51E-07	15YrCance	1.04E-07	4.54E-08	2.17E-09	2.14E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	recreationa	484430.6	3618925	1.50E-07	15YrCance	1.22E-07	2.72E-08	1.30E-09	1.28E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	recreationa	484530.6	3618925	1.50E-07	15YrCance	1.19E-07	3.02E-08	1.44E-09	1.42E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	recreationa	484530.6	3616925	1.50E-07	15YrCance	1.00E-07	4.76E-08	2.28E-09	2.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	recreationa	484130.6	3619025	1.50E-07	15YrCance	1.29E-07	2.03E-08	9.70E-10	9.59E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
949	ALL	recreationa	483930.6	3619125	1.50E-07	15YrCance	1.32E-07	1.71E-08	8.15E-10	8.05E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	recreationa	484330.6	3617325	1.49E-07	15YrCance	1.04E-07	4.36E-08	2.08E-09	2.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	recreationa	484530.6	3616825	1.48E-07	15YrCance	9.85E-08	4.70E-08	2.25E-09	2.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	recreationa	484430.6	3617125	1.44E-07	15YrCance	9.89E-08	4.33E-08	2.07E-09	2.04E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	recreationa	484230.6	3619025	1.44E-07	15YrCance	1.21E-07	2.17E-08	1.04E-09	1.02E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1004	ALL	recreationa	483830.6	3619225	1.42E-07	15YrCance	1.26E-07	1.52E-08	7.28E-10	7.20E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	recreationa	484030.6	3619125	1.41E-07	15YrCance	1.23E-07	1.79E-08	8.57E-10	8.47E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	recreationa	484330.6	3617225	1.41E-07	15YrCance	9.83E-08	4.10E-08	1.96E-09	1.94E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
899	ALL	recreationa	484330.6	3619025	1.40E-07	15YrCance	1.16E-07	2.35E-08	1.12E-09	1.11E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	recreationa	484430.6	3617025	1.40E-07	15YrCance	9.58E-08	4.23E-08	2.02E-09	2.00E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	recreationa	484430.6	3619025	1.39E-07	15YrCance	1.12E-07	2.58E-08	1.23E-09	1.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	recreationa	484430.6	3616925	1.37E-07	15YrCance	9.34E-08	4.15E-08	1.98E-09	1.96E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1117	ALL	recreationa	483530.6	3619425	1.37E-07	15YrCance	1.24E-07	1.19E-08	5.71E-10	5.64E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	recreationa	484130.6	3619125	1.36E-07	15YrCance	1.16E-07	1.91E-08	9.11E-10	9.00E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	recreationa	484330.6	3617125	1.34E-07	15YrCance	9.37E-08	3.86E-08	1.84E-09	1.82E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1005	ALL	recreationa	483930.6	3619225	1.34E-07	15YrCance	1.17E-07	1.60E-08	7.64E-10	7.55E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	recreationa	484230.6	3617225	1.33E-07	15YrCance	9.36E-08	3.72E-08	1.78E-09	1.75E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	recreationa	484230.6	3619125	1.31E-07	15YrCance	1.09E-07	2.05E-08	9.82E-10	9.70E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	recreationa	484330.6	3617025	1.29E-07	15YrCance	9.04E-08	3.72E-08	1.78E-09	1.76E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	recreationa	484330.6	3619125	1.29E-07	15YrCance	1.05E-07	2.24E-08	1.07E-09	1.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1006	ALL	recreationa	484030.6	3619225	1.27E-07	15YrCance	1.10E-07	1.69E-08	8.10E-10	8.00E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1118	ALL	recreationa	483630.6	3619425	1.27E-07	15YrCance	1.14E-07	1.24E-08	5.94E-10	5.87E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1062	ALL	recreationa	483830.6	3619325	1.27E-07	15YrCance	1.12E-07	1.44E-08	6.86E-10	6.78E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	recreationa	484230.6	3617125	1.26E-07	15YrCance	8.94E-08	3.51E-08	1.68E-09	1.66E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1007	ALL	recreationa	484130.6	3619225	1.22E-07	15YrCance	1.03E-07	1.81E-08	8.64E-10	8.54E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1063	ALL	recreationa	483930.6	3619325	1.21E-07	15YrCance	1.05E-07	1.52E-08	7.24E-10	7.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1119	ALL	recreationa	483730.6	3619425	1.20E-07	15YrCance	1.06E-07	1.30E-08	6.20E-10	6.13E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1120	ALL	recreationa	483830.6	3619425	1.13E-07	15YrCance	9.90E-08	1.37E-08	6.54E-10	6.46E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1490	ALL	recreationa	485530.6	3620225	1.11E-07	15YrCance	7.37E-08	3.60E-08	1.72E-09	1.70E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1491	ALL	recreationa	485630.6	3620225	1.11E-07	15YrCance	7.38E-08	3.55E-08	1.70E-09	1.68E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1492	ALL	recreationa	485730.6	3620225	1.09E-07	15YrCance	7.28E-08	3.46E-08	1.66E-09	1.64E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1121	ALL	recreationa	483930.6	3619425	1.09E-07	15YrCance	9.39E-08	1.45E-08	6.92E-10	6.84E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1493	ALL	recreationa	485830.6	3620225	1.07E-07	15YrCance	7.15E-08	3.35E-08	1.60E-09	1.58E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1532	ALL	recreationa	485530.6	3620325	1.05E-07	15YrCance	6.99E-08	3.35E-08	1.60E-09	1.58E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1533	ALL	recreationa	485630.6	3620325	1.04E-07	15YrCance	6.98E-08	3.29E-08	1.57E-09	1.56E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1494	ALL	recreationa	485930.6	3620225	1.04E-07	15YrCance	7.01E-08	3.26E-08	1.56E-09	1.54E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1175	ALL	recreationa	483830.6	3619525	1.03E-07	15YrCance	8.95E-08	1.31E-08	6.26E-10	6.18E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1534	ALL	recreationa	485730.6	3620325	1.02E-07	15YrCance	6.88E-08	3.20E-08	1.53E-09	1.51E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1535	ALL	recreationa	485830.6	3620325	9.96E-08	15YrCance	6.73E-08	3.08E-08	1.47E-09	1.45E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1176	ALL	recreationa	483930.6	3619525	9.91E-08	15YrCance	8.46E-08	1.38E-08	6.60E-10	6.52E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:58:20 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Rec15YrHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_R	EGG_RISK
1572	ALL	recreationa	485530.6	3620425	9.90E-08	15YrCance	6.64E-08	3.12E-08	1.49E-09	1.47E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1573	ALL	recreationa	485630.6	3620425	9.81E-08	15YrCance	6.61E-08	3.05E-08	1.46E-09	1.44E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1536	ALL	recreationa	485930.6	3620325	9.69E-08	15YrCance	6.58E-08	2.97E-08	1.42E-09	1.40E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1574	ALL	recreationa	485730.6	3620425	9.55E-08	15YrCance	6.48E-08	2.94E-08	1.40E-09	1.39E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1216	ALL	recreationa	483830.6	3619625	9.55E-08	15YrCance	8.23E-08	1.26E-08	6.02E-10	5.95E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1610	ALL	recreationa	485530.6	3620525	9.31E-08	15YrCance	6.30E-08	2.88E-08	1.37E-09	1.36E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1575	ALL	recreationa	485830.6	3620425	9.19E-08	15YrCance	6.27E-08	2.79E-08	1.33E-09	1.31E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1217	ALL	recreationa	483930.6	3619625	9.16E-08	15YrCance	7.76E-08	1.34E-08	6.39E-10	6.31E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1611	ALL	recreationa	485630.6	3620525	9.10E-08	15YrCance	6.21E-08	2.76E-08	1.32E-09	1.31E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1576	ALL	recreationa	485930.6	3620425	9.00E-08	15YrCance	6.16E-08	2.71E-08	1.30E-09	1.28E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1257	ALL	recreationa	483830.6	3619725	8.82E-08	15YrCance	7.54E-08	1.22E-08	5.83E-10	5.76E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1612	ALL	recreationa	485730.6	3620525	8.81E-08	15YrCance	6.03E-08	2.65E-08	1.27E-09	1.25E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1640	ALL	recreationa	485530.6	3620625	8.76E-08	15YrCance	5.97E-08	2.66E-08	1.27E-09	1.26E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1258	ALL	recreationa	483930.6	3619725	8.51E-08	15YrCance	7.15E-08	1.30E-08	6.20E-10	6.13E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1641	ALL	recreationa	485630.6	3620625	8.50E-08	15YrCance	5.84E-08	2.54E-08	1.21E-09	1.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1613	ALL	recreationa	485830.6	3620525	8.48E-08	15YrCance	5.83E-08	2.53E-08	1.21E-09	1.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1296	ALL	recreationa	483830.6	3619825	8.20E-08	15YrCance	6.96E-08	1.19E-08	5.68E-10	5.61E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1335	ALL	recreationa	483530.6	3619925	8.04E-08	15YrCance	7.03E-08	9.63E-09	4.60E-10	4.54E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1642	ALL	recreationa	485730.6	3620625	8.00E-08	15YrCance	5.52E-08	2.37E-08	1.13E-09	1.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1297	ALL	recreationa	483930.6	3619825	7.98E-08	15YrCance	6.65E-08	1.27E-08	6.06E-10	5.98E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1336	ALL	recreationa	483630.6	3619925	7.87E-08	15YrCance	6.81E-08	1.02E-08	4.86E-10	4.80E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1337	ALL	recreationa	483730.6	3619925	7.74E-08	15YrCance	6.61E-08	1.08E-08	5.18E-10	5.11E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1643	ALL	recreationa	485830.6	3620625	7.73E-08	15YrCance	5.34E-08	2.28E-08	1.09E-09	1.08E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1338	ALL	recreationa	483830.6	3619925	7.68E-08	15YrCance	6.46E-08	1.16E-08	5.55E-10	5.48E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1339	ALL	recreationa	483930.6	3619925	7.54E-08	15YrCance	6.23E-08	1.24E-08	5.94E-10	5.87E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1379	ALL	recreationa	483530.6	3620025	7.42E-08	15YrCance	6.44E-08	9.36E-09	4.47E-10	4.42E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1295	ALL	recreationa	479130.6	3619825	7.42E-08	15YrCance	6.94E-08	4.61E-09	2.20E-10	2.17E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1256	ALL	recreationa	479030.6	3619725	7.42E-08	15YrCance	6.94E-08	4.52E-09	2.16E-10	2.13E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1334	ALL	recreationa	479230.6	3619925	7.39E-08	15YrCance	6.90E-08	4.68E-09	2.24E-10	2.21E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1380	ALL	recreationa	483630.6	3620025	7.32E-08	15YrCance	6.28E-08	9.92E-09	4.74E-10	4.68E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1381	ALL	recreationa	483730.6	3620025	7.25E-08	15YrCance	6.14E-08	1.06E-08	5.06E-10	5.00E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1382	ALL	recreationa	483830.6	3620025	7.24E-08	15YrCance	6.04E-08	1.14E-08	5.43E-10	5.37E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1060	ALL	recreationa	478630.6	3619325	7.23E-08	15YrCance	6.79E-08	4.17E-09	1.99E-10	1.97E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1383	ALL	recreationa	483930.6	3620025	7.21E-08	15YrCance	5.92E-08	1.23E-08	5.87E-10	5.80E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1429	ALL	recreationa	483930.6	3620125	6.90E-08	15YrCance	5.63E-08	1.21E-08	5.77E-10	5.70E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1428	ALL	recreationa	483830.6	3620125	6.86E-08	15YrCance	5.69E-08	1.12E-08	5.33E-10	5.27E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1294	ALL	recreationa	479030.6	3619825	6.86E-08	15YrCance	6.38E-08	4.51E-09	2.16E-10	2.13E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1333	ALL	recreationa	479130.6	3619925	6.85E-08	15YrCance	6.37E-08	4.59E-09	2.19E-10	2.16E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1255	ALL	recreationa	478930.6	3619725	6.84E-08	15YrCance	6.38E-08	4.42E-09	2.11E-10	2.09E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1215	ALL	recreationa	478830.6	3619625	6.81E-08	15YrCance	6.36E-08	4.33E-09	2.07E-10	2.04E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1378	ALL	recreationa	479230.6	3620025	6.80E-08	15YrCance	6.32E-08	4.64E-09	2.22E-10	2.19E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1174	ALL	recreationa	478730.6	3619525	6.76E-08	15YrCance	6.31E-08	4.24E-09	2.03E-10	2.00E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1427	ALL	recreationa	479330.6	3620125	6.74E-08	15YrCance	6.25E-08	4.66E-09	2.23E-10	2.20E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1116	ALL	recreationa	478630.6	3619425	6.68E-08	15YrCance	6.24E-08	4.16E-09	1.99E-10	1.96E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1474	ALL	recreationa	483930.6	3620225	6.60E-08	15YrCance	5.36E-08	1.19E-08	5.67E-10	5.61E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1059	ALL	recreationa	478530.6	3619325	6.57E-08	15YrCance	6.14E-08	4.09E-09	1.95E-10	1.93E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1473	ALL	recreationa	483830.6	3620225	6.54E-08	15YrCance	5.39E-08	1.10E-08	5.24E-10	5.18E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1377	ALL	recreationa	479130.6	3620025	6.43E-08	15YrCance	5.95E-08	4.54E-09	2.17E-10	2.14E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:58:20 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Rec15YrHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_R	EGG_RISK
1293	ALL	recreationa	478930.6	3619825	6.43E-08	15YrCance	5.96E-08	4.41E-09	2.11E-10	2.08E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1332	ALL	recreationa	479030.6	3619925	6.42E-08	15YrCance	5.95E-08	4.49E-09	2.14E-10	2.12E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1254	ALL	recreationa	478830.6	3619725	6.40E-08	15YrCance	5.94E-08	4.32E-09	2.07E-10	2.04E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1003	ALL	recreationa	478430.6	3619225	6.38E-08	15YrCance	5.96E-08	4.01E-09	1.92E-10	1.89E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1426	ALL	recreationa	479230.6	3620125	6.38E-08	15YrCance	5.90E-08	4.57E-09	2.19E-10	2.16E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1516	ALL	recreationa	483930.6	3620325	6.34E-08	15YrCance	5.12E-08	1.17E-08	5.58E-10	5.51E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1214	ALL	recreationa	478730.6	3619625	6.34E-08	15YrCance	5.90E-08	4.23E-09	2.02E-10	2.00E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1472	ALL	recreationa	479330.6	3620225	6.29E-08	15YrCance	5.81E-08	4.57E-09	2.18E-10	2.16E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1173	ALL	recreationa	478630.6	3619525	6.27E-08	15YrCance	5.83E-08	4.15E-09	1.98E-10	1.96E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1515	ALL	recreationa	483830.6	3620325	6.27E-08	15YrCance	5.14E-08	1.08E-08	5.16E-10	5.10E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1115	ALL	recreationa	478530.6	3619425	6.16E-08	15YrCance	5.73E-08	4.07E-09	1.95E-10	1.92E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1556	ALL	recreationa	483930.6	3620425	6.11E-08	15YrCance	4.90E-08	1.15E-08	5.49E-10	5.42E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	recreationa	478330.6	3619125	6.09E-08	15YrCance	5.68E-08	3.94E-09	1.88E-10	1.86E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1376	ALL	recreationa	479030.6	3620025	6.06E-08	15YrCance	5.59E-08	4.45E-09	2.13E-10	2.10E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1555	ALL	recreationa	483830.6	3620425	6.04E-08	15YrCance	4.92E-08	1.06E-08	5.08E-10	5.02E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1058	ALL	recreationa	478430.6	3619325	5.98E-08	15YrCance	5.56E-08	4.00E-09	1.91E-10	1.89E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1659	ALL	recreationa	482330.6	3620725	5.96E-08	15YrCance	5.44E-08	4.92E-09	2.35E-10	2.32E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1593	ALL	recreationa	483830.6	3620525	5.84E-08	15YrCance	4.74E-08	1.05E-08	5.00E-10	4.94E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1594	ALL	recreationa	483930.6	3620525	5.83E-08	15YrCance	4.65E-08	1.12E-08	5.36E-10	5.29E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1704	ALL	recreationa	482030.6	3620825	5.81E-08	15YrCance	5.34E-08	4.46E-09	2.13E-10	2.11E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1703	ALL	recreationa	481930.6	3620825	5.80E-08	15YrCance	5.34E-08	4.38E-09	2.09E-10	2.07E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1702	ALL	recreationa	481830.6	3620825	5.79E-08	15YrCance	5.34E-08	4.30E-09	2.06E-10	2.03E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1701	ALL	recreationa	481730.6	3620825	5.77E-08	15YrCance	5.33E-08	4.23E-09	2.02E-10	2.00E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1705	ALL	recreationa	482130.6	3620825	5.77E-08	15YrCance	5.29E-08	4.55E-09	2.18E-10	2.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1425	ALL	recreationa	479030.6	3620125	5.75E-08	15YrCance	5.28E-08	4.40E-09	2.10E-10	2.08E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1002	ALL	recreationa	478330.6	3619225	5.74E-08	15YrCance	5.32E-08	3.93E-09	1.88E-10	1.86E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1698	ALL	recreationa	481430.6	3620825	5.73E-08	15YrCance	5.31E-08	4.05E-09	1.94E-10	1.91E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1697	ALL	recreationa	481330.6	3620825	5.73E-08	15YrCance	5.31E-08	4.00E-09	1.91E-10	1.89E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1696	ALL	recreationa	481230.6	3620825	5.72E-08	15YrCance	5.31E-08	3.96E-09	1.89E-10	1.87E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	recreationa	478230.6	3619025	5.72E-08	15YrCance	5.32E-08	3.85E-09	1.84E-10	1.82E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1699	ALL	recreationa	481530.6	3620825	5.71E-08	15YrCance	5.28E-08	4.11E-09	1.96E-10	1.94E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1695	ALL	recreationa	481130.6	3620825	5.70E-08	15YrCance	5.29E-08	3.92E-09	1.88E-10	1.85E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1706	ALL	recreationa	482230.6	3620825	5.70E-08	15YrCance	5.21E-08	4.66E-09	2.23E-10	2.20E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1700	ALL	recreationa	481630.6	3620825	5.69E-08	15YrCance	5.26E-08	4.17E-09	1.99E-10	1.97E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1694	ALL	recreationa	481030.6	3620825	5.67E-08	15YrCance	5.26E-08	3.89E-09	1.86E-10	1.84E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1693	ALL	recreationa	480930.6	3620825	5.63E-08	15YrCance	5.22E-08	3.87E-09	1.85E-10	1.83E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1707	ALL	recreationa	482330.6	3620825	5.62E-08	15YrCance	5.12E-08	4.78E-09	2.28E-10	2.25E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1692	ALL	recreationa	480830.6	3620825	5.57E-08	15YrCance	5.17E-08	3.86E-09	1.84E-10	1.82E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1691	ALL	recreationa	480730.6	3620825	5.51E-08	15YrCance	5.10E-08	3.84E-09	1.84E-10	1.82E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1658	ALL	recreationa	480030.6	3620725	5.45E-08	15YrCance	5.03E-08	4.02E-09	1.92E-10	1.90E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1424	ALL	recreationa	478930.6	3620125	5.45E-08	15YrCance	4.99E-08	4.32E-09	2.07E-10	2.04E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1690	ALL	recreationa	480630.6	3620825	5.44E-08	15YrCance	5.04E-08	3.84E-09	1.83E-10	1.81E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	recreationa	478230.6	3619125	5.41E-08	15YrCance	5.01E-08	3.86E-09	1.84E-10	1.82E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1740	ALL	recreationa	481730.6	3620925	5.41E-08	15YrCance	4.98E-08	4.09E-09	1.95E-10	1.93E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1689	ALL	recreationa	480530.6	3620825	5.38E-08	15YrCance	4.98E-08	3.83E-09	1.83E-10	1.81E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1739	ALL	recreationa	481630.6	3620925	5.35E-08	15YrCance	4.93E-08	4.03E-09	1.92E-10	1.90E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1737	ALL	recreationa	481430.6	3620925	5.33E-08	15YrCance	4.92E-08	3.91E-09	1.87E-10	1.84E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1736	ALL	recreationa	481330.6	3620925	5.33E-08	15YrCance	4.92E-08	3.85E-09	1.84E-10	1.82E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:58:20 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Rec15YrHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_R	EGG_RISK
1735	ALL	recreationa	481230.6	3620925	5.32E-08	15YrCance	4.92E-08	3.80E-09	1.82E-10	1.80E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1738	ALL	recreationa	481530.6	3620925	5.32E-08	15YrCance	4.91E-08	3.97E-09	1.90E-10	1.87E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1688	ALL	recreationa	480430.6	3620825	5.31E-08	15YrCance	4.91E-08	3.83E-09	1.83E-10	1.81E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1734	ALL	recreationa	481130.6	3620925	5.30E-08	15YrCance	4.91E-08	3.76E-09	1.80E-10	1.78E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1733	ALL	recreationa	481030.6	3620925	5.27E-08	15YrCance	4.88E-08	3.73E-09	1.78E-10	1.76E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1687	ALL	recreationa	480330.6	3620825	5.25E-08	15YrCance	4.85E-08	3.83E-09	1.83E-10	1.81E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1732	ALL	recreationa	480930.6	3620925	5.22E-08	15YrCance	4.83E-08	3.70E-09	1.77E-10	1.75E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1471	ALL	recreationa	478930.6	3620225	5.20E-08	15YrCance	4.75E-08	4.26E-09	2.04E-10	2.01E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1686	ALL	recreationa	480230.6	3620825	5.19E-08	15YrCance	4.79E-08	3.83E-09	1.83E-10	1.81E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1685	ALL	recreationa	480130.6	3620825	5.14E-08	15YrCance	4.74E-08	3.82E-09	1.83E-10	1.80E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1684	ALL	recreationa	480030.6	3620825	5.06E-08	15YrCance	4.66E-08	3.82E-09	1.82E-10	1.80E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	recreationa	478130.6	3619025	5.04E-08	15YrCance	4.65E-08	3.77E-09	1.80E-10	1.78E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1767	ALL	recreationa	481630.6	3621025	5.03E-08	15YrCance	4.62E-08	3.90E-09	1.87E-10	1.84E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1765	ALL	recreationa	481430.6	3621025	4.99E-08	15YrCance	4.60E-08	3.78E-09	1.81E-10	1.79E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1766	ALL	recreationa	481530.6	3621025	4.99E-08	15YrCance	4.59E-08	3.84E-09	1.84E-10	1.81E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1470	ALL	recreationa	478830.6	3620225	4.98E-08	15YrCance	4.54E-08	4.19E-09	2.00E-10	1.98E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1798	ALL	recreationa	482030.6	3621125	4.81E-08	15YrCance	4.38E-08	4.11E-09	1.96E-10	1.94E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1797	ALL	recreationa	481930.6	3621125	4.81E-08	15YrCance	4.39E-08	4.02E-09	1.92E-10	1.90E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1799	ALL	recreationa	482130.6	3621125	4.81E-08	15YrCance	4.36E-08	4.21E-09	2.01E-10	1.99E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1796	ALL	recreationa	481830.6	3621125	4.80E-08	15YrCance	4.39E-08	3.93E-09	1.88E-10	1.86E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1800	ALL	recreationa	482230.6	3621125	4.79E-08	15YrCance	4.33E-08	4.32E-09	2.07E-10	2.04E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1795	ALL	recreationa	481730.6	3621125	4.78E-08	15YrCance	4.38E-08	3.86E-09	1.84E-10	1.82E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1801	ALL	recreationa	482330.6	3621125	4.76E-08	15YrCance	4.29E-08	4.45E-09	2.13E-10	2.10E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1794	ALL	recreationa	481630.6	3621125	4.74E-08	15YrCance	4.34E-08	3.79E-09	1.81E-10	1.79E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1802	ALL	recreationa	482430.6	3621125	4.73E-08	15YrCance	4.25E-08	4.59E-09	2.19E-10	2.17E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1803	ALL	recreationa	482530.6	3621125	4.72E-08	15YrCance	4.22E-08	4.75E-09	2.27E-10	2.24E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1792	ALL	recreationa	481430.6	3621125	4.70E-08	15YrCance	4.32E-08	3.67E-09	1.75E-10	1.73E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1375	ALL	recreationa	478530.6	3620025	4.69E-08	15YrCance	4.27E-08	4.01E-09	1.92E-10	1.89E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1793	ALL	recreationa	481530.6	3621125	4.69E-08	15YrCance	4.30E-08	3.73E-09	1.78E-10	1.76E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1848	ALL	recreationa	482030.6	3621225	4.58E-08	15YrCance	4.16E-08	4.01E-09	1.92E-10	1.89E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1847	ALL	recreationa	481930.6	3621225	4.57E-08	15YrCance	4.16E-08	3.92E-09	1.87E-10	1.85E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1849	ALL	recreationa	482130.6	3621225	4.56E-08	15YrCance	4.13E-08	4.12E-09	1.97E-10	1.94E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1514	ALL	recreationa	478730.6	3620325	4.56E-08	15YrCance	4.13E-08	4.06E-09	1.94E-10	1.92E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1846	ALL	recreationa	481830.6	3621225	4.56E-08	15YrCance	4.16E-08	3.83E-09	1.83E-10	1.81E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1850	ALL	recreationa	482230.6	3621225	4.55E-08	15YrCance	4.11E-08	4.23E-09	2.02E-10	2.00E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	recreationa	478030.6	3619025	4.55E-08	15YrCance	4.16E-08	3.69E-09	1.77E-10	1.74E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1845	ALL	recreationa	481730.6	3621225	4.54E-08	15YrCance	4.14E-08	3.75E-09	1.79E-10	1.77E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1851	ALL	recreationa	482330.6	3621225	4.54E-08	15YrCance	4.08E-08	4.37E-09	2.09E-10	2.06E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1469	ALL	recreationa	478630.6	3620225	4.51E-08	15YrCance	4.08E-08	4.05E-09	1.93E-10	1.91E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1852	ALL	recreationa	482430.6	3621225	4.50E-08	15YrCance	4.03E-08	4.51E-09	2.16E-10	2.13E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1853	ALL	recreationa	482530.6	3621225	4.50E-08	15YrCance	4.01E-08	4.67E-09	2.23E-10	2.21E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1423	ALL	recreationa	478530.6	3620125	4.48E-08	15YrCance	4.07E-08	4.00E-09	1.91E-10	1.89E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1844	ALL	recreationa	481630.6	3621225	4.47E-08	15YrCance	4.09E-08	3.69E-09	1.76E-10	1.74E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1843	ALL	recreationa	481530.6	3621225	4.45E-08	15YrCance	4.07E-08	3.62E-09	1.73E-10	1.71E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1842	ALL	recreationa	481430.6	3621225	4.44E-08	15YrCance	4.06E-08	3.56E-09	1.70E-10	1.68E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1841	ALL	recreationa	481330.6	3621225	4.43E-08	15YrCance	4.06E-08	3.50E-09	1.67E-10	1.65E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1840	ALL	recreationa	481030.6	3621225	4.35E-08	15YrCance	3.99E-08	3.36E-09	1.60E-10	1.59E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1513	ALL	recreationa	478630.6	3620325	4.33E-08	15YrCance	3.91E-08	4.00E-09	1.91E-10	1.89E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:58:20 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Rec15YrHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_R	EGG_RISK
1839	ALL	recreationa	480930.6	3621225	4.31E-08	15YrCance	3.96E-08	3.32E-09	1.59E-10	1.57E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1468	ALL	recreationa	478530.6	3620225	4.28E-08	15YrCance	3.86E-08	3.96E-09	1.89E-10	1.87E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1838	ALL	recreationa	480830.6	3621225	4.26E-08	15YrCance	3.92E-08	3.28E-09	1.57E-10	1.55E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1422	ALL	recreationa	478430.6	3620125	4.26E-08	15YrCance	3.85E-08	3.92E-09	1.87E-10	1.85E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1837	ALL	recreationa	480730.6	3621225	4.20E-08	15YrCance	3.86E-08	3.25E-09	1.55E-10	1.53E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1554	ALL	recreationa	478630.6	3620425	4.18E-08	15YrCance	3.76E-08	3.94E-09	1.88E-10	1.86E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1836	ALL	recreationa	480630.6	3621225	4.15E-08	15YrCance	3.81E-08	3.22E-09	1.54E-10	1.52E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1835	ALL	recreationa	480530.6	3621225	4.09E-08	15YrCance	3.76E-08	3.20E-09	1.53E-10	1.51E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1512	ALL	recreationa	478530.6	3620325	4.08E-08	15YrCance	3.67E-08	3.91E-09	1.87E-10	1.85E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1253	ALL	recreationa	478130.6	3619725	4.08E-08	15YrCance	3.69E-08	3.70E-09	1.77E-10	1.75E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1421	ALL	recreationa	478330.6	3620125	4.04E-08	15YrCance	3.64E-08	3.85E-09	1.84E-10	1.82E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1834	ALL	recreationa	480430.6	3621225	4.04E-08	15YrCance	3.70E-08	3.18E-09	1.52E-10	1.50E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1467	ALL	recreationa	478430.6	3620225	4.02E-08	15YrCance	3.61E-08	3.86E-09	1.84E-10	1.82E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1592	ALL	recreationa	478630.6	3620525	4.02E-08	15YrCance	3.61E-08	3.87E-09	1.85E-10	1.83E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1833	ALL	recreationa	480330.6	3621225	3.98E-08	15YrCance	3.65E-08	3.16E-09	1.51E-10	1.49E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1832	ALL	recreationa	480230.6	3621225	3.91E-08	15YrCance	3.58E-08	3.15E-09	1.51E-10	1.49E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1553	ALL	recreationa	478530.6	3620425	3.90E-08	15YrCance	3.50E-08	3.84E-09	1.83E-10	1.81E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1213	ALL	recreationa	478030.6	3619625	3.89E-08	15YrCance	3.51E-08	3.64E-09	1.74E-10	1.72E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1831	ALL	recreationa	480130.6	3621225	3.86E-08	15YrCance	3.53E-08	3.14E-09	1.50E-10	1.48E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1628	ALL	recreationa	478630.6	3620625	3.84E-08	15YrCance	3.44E-08	3.79E-09	1.81E-10	1.79E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1511	ALL	recreationa	478430.6	3620325	3.81E-08	15YrCance	3.41E-08	3.80E-09	1.82E-10	1.79E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1466	ALL	recreationa	478330.6	3620225	3.77E-08	15YrCance	3.38E-08	3.76E-09	1.80E-10	1.78E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1420	ALL	recreationa	478230.6	3620125	3.76E-08	15YrCance	3.37E-08	3.74E-09	1.79E-10	1.76E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1591	ALL	recreationa	478530.6	3620525	3.75E-08	15YrCance	3.36E-08	3.77E-09	1.80E-10	1.78E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1172	ALL	recreationa	477930.6	3619525	3.70E-08	15YrCance	3.32E-08	3.59E-09	1.71E-10	1.69E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1212	ALL	recreationa	477930.6	3619625	3.64E-08	15YrCance	3.26E-08	3.57E-09	1.71E-10	1.69E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1057	ALL	recreationa	477830.6	3619325	3.63E-08	15YrCance	3.26E-08	3.53E-09	1.69E-10	1.67E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1552	ALL	recreationa	478430.6	3620425	3.63E-08	15YrCance	3.24E-08	3.72E-09	1.78E-10	1.75E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1510	ALL	recreationa	478330.6	3620325	3.55E-08	15YrCance	3.16E-08	3.66E-09	1.75E-10	1.73E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1465	ALL	recreationa	478230.6	3620225	3.49E-08	15YrCance	3.11E-08	3.61E-09	1.72E-10	1.70E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1114	ALL	recreationa	477830.6	3619425	3.43E-08	15YrCance	3.07E-08	3.50E-09	1.67E-10	1.65E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1419	ALL	recreationa	478130.6	3620125	3.41E-08	15YrCance	3.03E-08	3.54E-09	1.69E-10	1.67E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1292	ALL	recreationa	477930.6	3619825	3.40E-08	15YrCance	3.03E-08	3.54E-09	1.69E-10	1.67E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1374	ALL	recreationa	478030.6	3620025	3.30E-08	15YrCance	2.94E-08	3.47E-09	1.66E-10	1.64E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1171	ALL	recreationa	477830.6	3619525	3.18E-08	15YrCance	2.84E-08	3.31E-09	1.58E-10	1.56E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1464	ALL	recreationa	478130.6	3620225	3.17E-08	15YrCance	2.81E-08	3.44E-09	1.64E-10	1.62E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1331	ALL	recreationa	477930.6	3619925	3.12E-08	15YrCance	2.77E-08	3.34E-09	1.59E-10	1.57E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1211	ALL	recreationa	477830.6	3619625	3.11E-08	15YrCance	2.77E-08	3.29E-09	1.57E-10	1.55E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1418	ALL	recreationa	478030.6	3620125	3.04E-08	15YrCance	2.69E-08	3.34E-09	1.60E-10	1.58E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1252	ALL	recreationa	477830.6	3619725	3.00E-08	15YrCance	2.66E-08	3.23E-09	1.54E-10	1.52E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1373	ALL	recreationa	477930.6	3620025	2.88E-08	15YrCance	2.54E-08	3.20E-09	1.53E-10	1.51E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:56:45 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\School9YrHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK
604	ALL	school	485930.6	3618225	8.59E-07	9YrCancer(	5.33E-07	3.16E-07	1.00E-08	1.45E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	school	486030.6	3618125	7.90E-07	9YrCancer(	5.03E-07	2.78E-07	8.79E-09	1.27E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1859	ALL	school	485901.8	3618345	7.48E-07	9YrCancer(	4.61E-07	2.79E-07	8.83E-09	1.28E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	school	486030.6	3618225	7.02E-07	9YrCancer(	4.48E-07	2.47E-07	7.80E-09	1.13E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571	ALL	school	486130.6	3618125	6.20E-07	9YrCancer(	4.01E-07	2.12E-07	6.71E-09	9.71E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	school	487530.6	3617825	1.36E-07	9YrCancer(	9.41E-08	4.08E-08	1.29E-09	1.87E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	school	487472.4	3617865	1.35E-07	9YrCancer(	9.35E-08	4.02E-08	1.27E-09	1.84E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	school	487680.7	3617783	1.30E-07	9YrCancer(	9.01E-08	3.87E-08	1.23E-09	1.77E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	school	487630.6	3617825	1.27E-07	9YrCancer(	8.84E-08	3.76E-08	1.19E-09	1.72E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	school	487557.2	3617865	1.27E-07	9YrCancer(	8.83E-08	3.73E-08	1.18E-09	1.71E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	school	487530.6	3617925	1.20E-07	9YrCancer(	8.42E-08	3.44E-08	1.09E-09	1.58E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	school	487730.6	3617825	1.19E-07	9YrCancer(	8.34E-08	3.48E-08	1.10E-09	1.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	school	487845.5	3617783	1.17E-07	9YrCancer(	8.21E-08	3.43E-08	1.09E-09	1.57E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	school	487830.6	3617825	1.12E-07	9YrCancer(	7.90E-08	3.25E-08	1.03E-09	1.49E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	school	487630.6	3617925	1.12E-07	9YrCancer(	7.92E-08	3.18E-08	1.01E-09	1.45E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	school	487530.6	3618025	1.08E-07	9YrCancer(	7.71E-08	2.97E-08	9.41E-10	1.36E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	school	487730.6	3617925	1.06E-07	9YrCancer(	7.52E-08	2.98E-08	9.45E-10	1.37E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	school	487630.6	3618025	1.01E-07	9YrCancer(	7.27E-08	2.76E-08	8.72E-10	1.26E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	school	487830.6	3617925	1.00E-07	9YrCancer(	7.14E-08	2.79E-08	8.84E-10	1.28E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	school	487530.6	3618125	9.95E-08	9YrCancer(	7.22E-08	2.65E-08	8.38E-10	1.21E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	ALL	school	488130.6	3617825	9.77E-08	9YrCancer(	6.93E-08	2.76E-08	8.72E-10	1.26E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	school	487730.6	3618025	9.59E-08	9YrCancer(	6.91E-08	2.60E-08	8.23E-10	1.19E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	ALL	school	487630.6	3618125	9.37E-08	9YrCancer(	6.82E-08	2.47E-08	7.83E-10	1.13E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	school	488230.6	3617825	9.34E-08	9YrCancer(	6.65E-08	2.61E-08	8.27E-10	1.20E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	school	487830.6	3618025	9.09E-08	9YrCancer(	6.57E-08	2.45E-08	7.74E-10	1.12E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	school	487730.6	3618125	8.85E-08	9YrCancer(	6.46E-08	2.32E-08	7.34E-10	1.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	school	488130.6	3617925	8.80E-08	9YrCancer(	6.31E-08	2.41E-08	7.63E-10	1.10E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	school	488230.6	3617925	8.47E-08	9YrCancer(	6.09E-08	2.31E-08	7.31E-10	1.06E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	school	487830.6	3618125	8.39E-08	9YrCancer(	6.14E-08	2.18E-08	6.90E-10	9.99E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	school	489656.5	3613786	8.02E-08	9YrCancer(	5.94E-08	2.02E-08	6.39E-10	9.24E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	school	489687.6	3613796	7.98E-08	9YrCancer(	5.91E-08	2.01E-08	6.35E-10	9.18E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:59:18 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\WorkerHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_R	EGG_RISK
1893	ALL	Worker	486000	3617500	1.60E-06	25YrCance	1.54E-06	4.66E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1903	ALL	Worker	486000	3617600	1.37E-06	25YrCance	1.31E-06	4.51E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1920	ALL	Worker	485800	3617900	1.30E-06	25YrCance	1.23E-06	5.04E-08	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1894	ALL	Worker	486100	3617500	1.19E-06	25YrCance	1.15E-06	3.37E-08	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1904	ALL	Worker	486100	3617600	9.79E-07	25YrCance	9.38E-07	3.13E-08	9.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1927	ALL	Worker	485800	3618000	9.59E-07	25YrCance	9.16E-07	3.32E-08	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1885	ALL	Worker	486200	3617400	9.39E-07	25YrCance	9.06E-07	2.53E-08	7.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1933	ALL	Worker	485700	3618100	9.10E-07	25YrCance	8.65E-07	3.40E-08	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1895	ALL	Worker	486200	3617500	8.98E-07	25YrCance	8.64E-07	2.54E-08	7.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1921	ALL	Worker	485900	3617900	8.70E-07	25YrCance	8.30E-07	3.08E-08	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1886	ALL	Worker	486300	3617400	7.61E-07	25YrCance	7.34E-07	2.04E-08	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1934	ALL	Worker	485800	3618100	7.56E-07	25YrCance	7.23E-07	2.54E-08	7.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1928	ALL	Worker	485900	3618000	7.32E-07	25YrCance	7.02E-07	2.28E-08	7.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1905	ALL	Worker	486200	3617600	7.31E-07	25YrCance	7.01E-07	2.31E-08	7.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1939	ALL	Worker	485700	3618200	7.22E-07	25YrCance	6.87E-07	2.63E-08	8.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1910	ALL	Worker	486100	3617700	7.06E-07	25YrCance	6.73E-07	2.55E-08	7.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1896	ALL	Worker	486300	3617500	6.95E-07	25YrCance	6.69E-07	1.98E-08	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1915	ALL	Worker	486000	3617800	6.87E-07	25YrCance	6.52E-07	2.70E-08	8.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1879	ALL	Worker	486400	3617300	6.24E-07	25YrCance	6.02E-07	1.64E-08	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1887	ALL	Worker	486400	3617400	6.22E-07	25YrCance	6.00E-07	1.66E-08	5.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1935	ALL	Worker	485900	3618100	6.13E-07	25YrCance	5.89E-07	1.86E-08	5.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1940	ALL	Worker	485800	3618200	6.12E-07	25YrCance	5.86E-07	2.02E-08	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1922	ALL	Worker	486000	3617900	6.02E-07	25YrCance	5.75E-07	2.06E-08	6.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1945	ALL	Worker	485700	3618300	5.77E-07	25YrCance	5.51E-07	2.04E-08	6.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1906	ALL	Worker	486300	3617600	5.67E-07	25YrCance	5.44E-07	1.77E-08	5.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1944	ALL	Worker	485600	3618300	5.63E-07	25YrCance	5.35E-07	2.12E-08	6.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1897	ALL	Worker	486400	3617500	5.54E-07	25YrCance	5.33E-07	1.58E-08	4.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1911	ALL	Worker	486200	3617700	5.46E-07	25YrCance	5.21E-07	1.89E-08	5.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1929	ALL	Worker	486000	3618000	5.45E-07	25YrCance	5.24E-07	1.60E-08	4.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1880	ALL	Worker	486500	3617300	5.35E-07	25YrCance	5.17E-07	1.39E-08	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1916	ALL	Worker	486100	3617800	5.27E-07	25YrCance	5.01E-07	1.94E-08	5.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1874	ALL	Worker	486500	3617200	5.14E-07	25YrCance	4.97E-07	1.34E-08	4.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1888	ALL	Worker	486500	3617400	5.14E-07	25YrCance	4.96E-07	1.38E-08	4.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1941	ALL	Worker	485900	3618200	5.13E-07	25YrCance	4.92E-07	1.56E-08	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1946	ALL	Worker	485800	3618300	5.05E-07	25YrCance	4.83E-07	1.64E-08	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1936	ALL	Worker	486000	3618100	4.85E-07	25YrCance	4.67E-07	1.37E-08	4.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1869	ALL	Worker	486500	3617100	4.73E-07	25YrCance	4.56E-07	1.25E-08	3.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1951	ALL	Worker	485700	3618400	4.66E-07	25YrCance	4.46E-07	1.58E-08	4.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1881	ALL	Worker	486600	3617300	4.61E-07	25YrCance	4.45E-07	1.19E-08	3.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1875	ALL	Worker	486600	3617200	4.56E-07	25YrCance	4.41E-07	1.17E-08	3.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1907	ALL	Worker	486400	3617600	4.55E-07	25YrCance	4.37E-07	1.40E-08	4.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1950	ALL	Worker	485600	3618400	4.53E-07	25YrCance	4.32E-07	1.60E-08	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1898	ALL	Worker	486500	3617500	4.53E-07	25YrCance	4.36E-07	1.29E-08	3.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1923	ALL	Worker	486100	3617900	4.42E-07	25YrCance	4.23E-07	1.45E-08	4.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1912	ALL	Worker	486300	3617700	4.38E-07	25YrCance	4.19E-07	1.46E-08	4.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1947	ALL	Worker	485900	3618300	4.34E-07	25YrCance	4.17E-07	1.32E-08	4.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1870	ALL	Worker	486600	3617100	4.32E-07	25YrCance	4.17E-07	1.11E-08	3.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1889	ALL	Worker	486600	3617400	4.31E-07	25YrCance	4.16E-07	1.15E-08	3.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:59:18 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\WorkerHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_R	EGG_RISK
1942	ALL	Worker	486000	3618200	4.27E-07	25YrCance	4.11E-07	1.20E-08	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1952	ALL	Worker	485800	3618400	4.25E-07	25YrCance	4.07E-07	1.37E-08	4.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1917	ALL	Worker	486200	3617800	4.20E-07	25YrCance	4.01E-07	1.47E-08	4.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1876	ALL	Worker	486700	3617200	4.06E-07	25YrCance	3.93E-07	1.02E-08	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1930	ALL	Worker	486100	3618000	4.05E-07	25YrCance	3.90E-07	1.17E-08	3.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1882	ALL	Worker	486700	3617300	3.99E-07	25YrCance	3.85E-07	1.02E-08	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1865	ALL	Worker	486600	3617000	3.96E-07	25YrCance	3.83E-07	1.03E-08	3.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1871	ALL	Worker	486700	3617100	3.93E-07	25YrCance	3.80E-07	9.91E-09	3.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1958	ALL	Worker	485700	3618500	3.82E-07	25YrCance	3.66E-07	1.23E-08	3.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1937	ALL	Worker	486100	3618100	3.81E-07	25YrCance	3.68E-07	1.03E-08	3.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1899	ALL	Worker	486600	3617500	3.80E-07	25YrCance	3.66E-07	1.07E-08	3.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1908	ALL	Worker	486500	3617600	3.79E-07	25YrCance	3.64E-07	1.14E-08	3.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1957	ALL	Worker	485600	3618500	3.77E-07	25YrCance	3.61E-07	1.26E-08	3.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1953	ALL	Worker	485900	3618400	3.72E-07	25YrCance	3.57E-07	1.12E-08	3.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1866	ALL	Worker	486700	3617000	3.69E-07	25YrCance	3.57E-07	9.37E-09	2.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1890	ALL	Worker	486700	3617400	3.69E-07	25YrCance	3.56E-07	9.81E-09	3.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1959	ALL	Worker	485800	3618500	3.62E-07	25YrCance	3.47E-07	1.14E-08	3.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1877	ALL	Worker	486800	3617200	3.62E-07	25YrCance	3.50E-07	9.00E-09	2.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1913	ALL	Worker	486400	3617700	3.61E-07	25YrCance	3.46E-07	1.16E-08	3.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1872	ALL	Worker	486800	3617100	3.58E-07	25YrCance	3.46E-07	8.85E-09	2.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1956	ALL	Worker	485500	3618500	3.54E-07	25YrCance	3.38E-07	1.22E-08	3.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1943	ALL	Worker	486100	3618200	3.50E-07	25YrCance	3.38E-07	9.30E-09	2.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1883	ALL	Worker	486800	3617300	3.49E-07	25YrCance	3.38E-07	8.86E-09	2.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1924	ALL	Worker	486200	3617900	3.45E-07	25YrCance	3.30E-07	1.08E-08	3.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1867	ALL	Worker	486800	3617000	3.43E-07	25YrCance	3.31E-07	8.50E-09	2.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1918	ALL	Worker	486300	3617800	3.35E-07	25YrCance	3.21E-07	1.10E-08	3.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1873	ALL	Worker	486900	3617100	3.26E-07	25YrCance	3.15E-07	7.91E-09	2.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1878	ALL	Worker	486900	3617200	3.24E-07	25YrCance	3.14E-07	7.94E-09	2.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1966	ALL	Worker	485700	3618600	3.23E-07	25YrCance	3.10E-07	9.94E-09	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1900	ALL	Worker	486700	3617500	3.22E-07	25YrCance	3.11E-07	9.02E-09	2.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1965	ALL	Worker	485600	3618600	3.22E-07	25YrCance	3.09E-07	1.03E-08	3.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1863	ALL	Worker	486800	3616900	3.20E-07	25YrCance	3.10E-07	8.00E-09	2.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1891	ALL	Worker	486800	3617400	3.18E-07	25YrCance	3.07E-07	8.43E-09	2.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1868	ALL	Worker	486900	3617000	3.17E-07	25YrCance	3.07E-07	7.70E-09	2.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1909	ALL	Worker	486600	3617600	3.17E-07	25YrCance	3.04E-07	9.41E-09	2.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1931	ALL	Worker	486200	3618000	3.15E-07	25YrCance	3.04E-07	8.94E-09	2.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1967	ALL	Worker	485800	3618600	3.11E-07	25YrCance	2.98E-07	9.50E-09	2.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1955	ALL	Worker	485400	3618500	3.10E-07	25YrCance	2.96E-07	1.04E-08	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1884	ALL	Worker	486900	3617300	3.08E-07	25YrCance	2.98E-07	7.74E-09	2.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1964	ALL	Worker	485500	3618600	3.05E-07	25YrCance	2.92E-07	9.89E-09	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1864	ALL	Worker	486900	3616900	3.01E-07	25YrCance	2.92E-07	7.35E-09	2.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1938	ALL	Worker	486200	3618100	3.01E-07	25YrCance	2.91E-07	7.92E-09	2.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1914	ALL	Worker	486500	3617700	2.97E-07	25YrCance	2.85E-07	9.19E-09	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1925	ALL	Worker	486300	3617900	2.80E-07	25YrCance	2.69E-07	8.49E-09	2.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1974	ALL	Worker	485600	3618700	2.79E-07	25YrCance	2.68E-07	8.52E-09	2.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1901	ALL	Worker	486800	3617500	2.79E-07	25YrCance	2.69E-07	7.71E-09	2.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1892	ALL	Worker	486900	3617400	2.79E-07	25YrCance	2.69E-07	7.31E-09	2.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1975	ALL	Worker	485700	3618700	2.78E-07	25YrCance	2.68E-07	8.25E-09	2.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_R	EGG_RISK
1919	ALL	Worker	486400	3617800	2.78E-07	25YrCance	2.67E-07	8.73E-09	2.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1963	ALL	Worker	485400	3618600	2.72E-07	25YrCance	2.61E-07	8.63E-09	2.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1973	ALL	Worker	485500	3618700	2.67E-07	25YrCance	2.56E-07	8.24E-09	2.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1860	ALL	Worker	486700	3616600	2.57E-07	25YrCance	2.49E-07	6.71E-09	2.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1932	ALL	Worker	486300	3618000	2.55E-07	25YrCance	2.46E-07	7.05E-09	2.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1861	ALL	Worker	486800	3616600	2.50E-07	25YrCance	2.41E-07	6.35E-09	1.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1981	ALL	Worker	485600	3618800	2.45E-07	25YrCance	2.36E-07	7.21E-09	2.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1982	ALL	Worker	485700	3618800	2.45E-07	25YrCance	2.35E-07	7.01E-09	2.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1902	ALL	Worker	486900	3617500	2.44E-07	25YrCance	2.35E-07	6.66E-09	2.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1972	ALL	Worker	485400	3618700	2.43E-07	25YrCance	2.33E-07	7.34E-09	2.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1862	ALL	Worker	486900	3616600	2.41E-07	25YrCance	2.34E-07	6.00E-09	1.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1949	ALL	Worker	485200	3618400	2.41E-07	25YrCance	2.32E-07	6.84E-09	2.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1980	ALL	Worker	485500	3618800	2.36E-07	25YrCance	2.27E-07	6.99E-09	2.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1926	ALL	Worker	486400	3617900	2.35E-07	25YrCance	2.26E-07	6.84E-09	2.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1954	ALL	Worker	485200	3618500	2.24E-07	25YrCance	2.16E-07	6.25E-09	1.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1988	ALL	Worker	485600	3618900	2.17E-07	25YrCance	2.09E-07	6.19E-09	1.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1989	ALL	Worker	485700	3618900	2.17E-07	25YrCance	2.09E-07	6.04E-09	1.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1948	ALL	Worker	485100	3618400	2.08E-07	25YrCance	2.02E-07	5.08E-09	1.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1993	ALL	Worker	485600	3619000	1.95E-07	25YrCance	1.87E-07	5.36E-09	1.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1994	ALL	Worker	485700	3619000	1.94E-07	25YrCance	1.87E-07	5.25E-09	1.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1997	ALL	Worker	485600	3619100	1.75E-07	25YrCance	1.69E-07	4.70E-09	1.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1998	ALL	Worker	485700	3619100	1.75E-07	25YrCance	1.69E-07	4.61E-09	1.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1962	ALL	Worker	485000	3618600	1.67E-07	25YrCance	1.63E-07	3.47E-09	1.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1961	ALL	Worker	484900	3618600	1.58E-07	25YrCance	1.54E-07	2.81E-09	8.68E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1971	ALL	Worker	485000	3618700	1.57E-07	25YrCance	1.52E-07	3.27E-09	1.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1960	ALL	Worker	484800	3618600	1.54E-07	25YrCance	1.51E-07	2.37E-09	7.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1970	ALL	Worker	484900	3618700	1.48E-07	25YrCance	1.44E-07	2.66E-09	8.20E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1969	ALL	Worker	484800	3618700	1.43E-07	25YrCance	1.40E-07	2.22E-09	6.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1968	ALL	Worker	484700	3618700	1.43E-07	25YrCance	1.40E-07	1.91E-09	5.89E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	Industrial	484330.6	3617725	1.43E-07	25YrCance	1.39E-07	2.45E-09	7.54E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1979	ALL	Worker	484900	3618800	1.38E-07	25YrCance	1.34E-07	2.52E-09	7.76E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1978	ALL	Worker	484800	3618800	1.34E-07	25YrCance	1.31E-07	2.11E-09	6.50E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1976	ALL	Worker	484600	3618800	1.33E-07	25YrCance	1.31E-07	1.58E-09	4.87E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1977	ALL	Worker	484700	3618800	1.32E-07	25YrCance	1.30E-07	1.80E-09	5.55E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1983	ALL	Worker	484400	3618900	1.29E-07	25YrCance	1.28E-07	1.21E-09	3.72E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1984	ALL	Worker	484500	3618900	1.25E-07	25YrCance	1.23E-07	1.33E-09	4.10E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1987	ALL	Worker	484800	3618900	1.24E-07	25YrCance	1.21E-07	2.01E-09	6.19E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1985	ALL	Worker	484600	3618900	1.23E-07	25YrCance	1.21E-07	1.50E-09	4.61E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1990	ALL	Worker	484300	3619000	1.23E-07	25YrCance	1.21E-07	1.04E-09	3.22E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1986	ALL	Worker	484700	3618900	1.23E-07	25YrCance	1.20E-07	1.72E-09	5.31E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1991	ALL	Worker	484400	3619000	1.18E-07	25YrCance	1.16E-07	1.14E-09	3.52E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1992	ALL	Worker	484500	3619000	1.15E-07	25YrCance	1.13E-07	1.27E-09	3.91E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1995	ALL	Worker	484300	3619100	1.11E-07	25YrCance	1.10E-07	9.91E-10	3.06E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1996	ALL	Worker	484400	3619100	1.08E-07	25YrCance	1.06E-07	1.09E-09	3.36E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1920	ALL	Worker	485800	3617900	NonCancer	5.91E-02	6.12E-02	0.00E+00	4.70E-05	0.00E+00	5.92E-02	6.18E-02	5.91E-02	0.00E+00	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	6.18E-02
1893	ALL	Worker	486000	3617500	NonCancer	5.47E-02	5.66E-02	0.00E+00	4.34E-05	0.00E+00	5.47E-02	5.85E-02	5.47E-02	0.00E+00	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	5.85E-02
1903	ALL	Worker	486000	3617600	NonCancer	5.29E-02	5.48E-02	0.00E+00	4.20E-05	0.00E+00	5.29E-02	5.60E-02	5.29E-02	0.00E+00	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	5.60E-02
1894	ALL	Worker	486100	3617500	NonCancer	3.95E-02	4.09E-02	0.00E+00	3.14E-05	0.00E+00	3.96E-02	4.24E-02	3.95E-02	0.00E+00	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	4.24E-02
1933	ALL	Worker	485700	3618100	NonCancer	3.99E-02	4.13E-02	0.00E+00	3.17E-05	0.00E+00	3.99E-02	4.18E-02	3.99E-02	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	4.18E-02
1927	ALL	Worker	485800	3618000	NonCancer	3.90E-02	4.03E-02	0.00E+00	3.09E-05	0.00E+00	3.90E-02	4.11E-02	3.90E-02	0.00E+00	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	4.11E-02
1904	ALL	Worker	486100	3617600	NonCancer	3.67E-02	3.80E-02	0.00E+00	2.92E-05	0.00E+00	3.67E-02	3.89E-02	3.67E-02	0.00E+00	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	3.89E-02
1921	ALL	Worker	485900	3617900	NonCancer	3.61E-02	3.73E-02	0.00E+00	2.86E-05	0.00E+00	3.61E-02	3.79E-02	3.61E-02	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	3.79E-02
1915	ALL	Worker	486000	3617800	NonCancer	3.17E-02	3.28E-02	0.00E+00	2.52E-05	0.00E+00	3.17E-02	3.31E-02	3.17E-02	0.00E+00	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	3.31E-02
1939	ALL	Worker	485700	3618200	NonCancer	3.08E-02	3.19E-02	0.00E+00	2.45E-05	0.00E+00	3.09E-02	3.24E-02	3.08E-02	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	3.24E-02
1885	ALL	Worker	486200	3617400	NonCancer	2.97E-02	3.07E-02	0.00E+00	2.36E-05	0.00E+00	2.97E-02	3.19E-02	2.97E-02	0.00E+00	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	3.19E-02
1895	ALL	Worker	486200	3617500	NonCancer	2.98E-02	3.08E-02	0.00E+00	2.37E-05	0.00E+00	2.98E-02	3.19E-02	2.98E-02	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	3.19E-02
1910	ALL	Worker	486100	3617700	NonCancer	2.99E-02	3.10E-02	0.00E+00	2.38E-05	0.00E+00	2.99E-02	3.15E-02	2.99E-02	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	3.15E-02
1934	ALL	Worker	485800	3618100	NonCancer	2.97E-02	3.08E-02	0.00E+00	2.36E-05	0.00E+00	2.98E-02	3.14E-02	2.97E-02	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	3.14E-02
1905	ALL	Worker	486200	3617600	NonCancer	2.70E-02	2.80E-02	0.00E+00	2.15E-05	0.00E+00	2.70E-02	2.87E-02	2.70E-02	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	2.87E-02
1928	ALL	Worker	485900	3618000	NonCancer	2.67E-02	2.77E-02	0.00E+00	2.12E-05	0.00E+00	2.67E-02	2.84E-02	2.67E-02	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	2.84E-02
1944	ALL	Worker	485600	3618300	NonCancer	2.48E-02	2.57E-02	0.00E+00	1.97E-05	0.00E+00	2.48E-02	2.60E-02	2.48E-02	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	2.60E-02
1886	ALL	Worker	486300	3617400	NonCancer	2.39E-02	2.47E-02	0.00E+00	1.90E-05	0.00E+00	2.39E-02	2.57E-02	2.39E-02	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	2.57E-02
1922	ALL	Worker	486000	3617900	NonCancer	2.41E-02	2.50E-02	0.00E+00	1.92E-05	0.00E+00	2.41E-02	2.54E-02	2.41E-02	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	2.54E-02
1945	ALL	Worker	485700	3618300	NonCancer	2.39E-02	2.48E-02	0.00E+00	1.90E-05	0.00E+00	2.39E-02	2.52E-02	2.39E-02	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	2.52E-02
1940	ALL	Worker	485800	3618200	NonCancer	2.37E-02	2.45E-02	0.00E+00	1.88E-05	0.00E+00	2.37E-02	2.51E-02	2.37E-02	0.00E+00	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	2.51E-02
1896	ALL	Worker	486300	3617500	NonCancer	2.32E-02	2.40E-02	0.00E+00	1.84E-05	0.00E+00	2.32E-02	2.48E-02	2.32E-02	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	2.48E-02
1916	ALL	Worker	486100	3617800	NonCancer	2.28E-02	2.36E-02	0.00E+00	1.81E-05	0.00E+00	2.28E-02	2.39E-02	2.28E-02	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	2.39E-02
1911	ALL	Worker	486200	3617700	NonCancer	2.22E-02	2.30E-02	0.00E+00	1.76E-05	0.00E+00	2.22E-02	2.34E-02	2.22E-02	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	2.34E-02
1935	ALL	Worker	485900	3618100	NonCancer	2.18E-02	2.26E-02	0.00E+00	1.73E-05	0.00E+00	2.18E-02	2.32E-02	2.18E-02	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	2.32E-02
1906	ALL	Worker	486300	3617600	NonCancer	2.07E-02	2.15E-02	0.00E+00	1.65E-05	0.00E+00	2.07E-02	2.20E-02	2.07E-02	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	2.20E-02
1887	ALL	Worker	486400	3617400	NonCancer	1.95E-02	2.02E-02	0.00E+00	1.55E-05	0.00E+00	1.95E-02	2.10E-02	1.95E-02	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	2.10E-02
1879	ALL	Worker	486400	3617300	NonCancer	1.92E-02	1.99E-02	0.00E+00	1.53E-05	0.00E+00	1.92E-02	2.07E-02	1.92E-02	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	2.07E-02
1946	ALL	Worker	485800	3618300	NonCancer	1.93E-02	2.00E-02	0.00E+00	1.53E-05	0.00E+00	1.93E-02	2.04E-02	1.93E-02	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	2.04E-02
1929	ALL	Worker	486000	3618000	NonCancer	1.88E-02	1.94E-02	0.00E+00	1.49E-05	0.00E+00	1.88E-02	2.01E-02	1.88E-02	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	2.01E-02
1897	ALL	Worker	486400	3617500	NonCancer	1.85E-02	1.92E-02	0.00E+00	1.47E-05	0.00E+00	1.85E-02	1.98E-02	1.85E-02	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.98E-02
1950	ALL	Worker	485600	3618400	NonCancer	1.87E-02	1.94E-02	0.00E+00	1.49E-05	0.00E+00	1.87E-02	1.97E-02	1.87E-02	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.97E-02
1951	ALL	Worker	485700	3618400	NonCancer	1.85E-02	1.92E-02	0.00E+00	1.47E-05	0.00E+00	1.85E-02	1.95E-02	1.85E-02	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.95E-02
1941	ALL	Worker	485900	3618200	NonCancer	1.82E-02	1.89E-02	0.00E+00	1.45E-05	0.00E+00	1.82E-02	1.94E-02	1.82E-02	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.94E-02
1912	ALL	Worker	486300	3617700	NonCancer	1.71E-02	1.78E-02	0.00E+00	1.36E-05	0.00E+00	1.71E-02	1.81E-02	1.71E-02	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.81E-02
1917	ALL	Worker	486200	3617800	NonCancer	1.72E-02	1.78E-02	0.00E+00	1.36E-05	0.00E+00	1.72E-02	1.81E-02	1.72E-02	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.81E-02
1923	ALL	Worker	486100	3617900	NonCancer	1.70E-02	1.76E-02	0.00E+00	1.35E-05	0.00E+00	1.70E-02	1.80E-02	1.70E-02	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.80E-02
1880	ALL	Worker	486500	3617300	NonCancer	1.63E-02	1.69E-02	0.00E+00	1.29E-05	0.00E+00	1.63E-02	1.76E-02	1.63E-02	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	1.76E-02
1907	ALL	Worker	486400	3617600	NonCancer	1.64E-02	1.70E-02	0.00E+00	1.30E-05	0.00E+00	1.64E-02	1.75E-02	1.64E-02	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	1.75E-02
1888	ALL	Worker	486500	3617400	NonCancer	1.61E-02	1.67E-02	0.00E+00	1.28E-05	0.00E+00	1.61E-02	1.74E-02	1.61E-02	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	1.74E-02
1936	ALL	Worker	486000	3618100	NonCancer	1.60E-02	1.66E-02	0.00E+00	1.27E-05	0.00E+00	1.60E-02	1.72E-02	1.60E-02	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	1.72E-02
1952	ALL	Worker	485800	3618400	NonCancer	1.61E-02	1.66E-02	0.00E+00	1.27E-05	0.00E+00	1.61E-02	1.70E-02	1.61E-02	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.70E-02
1874	ALL	Worker	486500	3617200	NonCancer	1.57E-02	1.63E-02	0.00E+00	1.25E-05	0.00E+00	1.57E-02	1.70E-02	1.57E-02	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.70E-02
1947	ALL	Worker	485900	3618300	NonCancer	1.54E-02	1.60E-02	0.00E+00	1.23E-05	0.00E+00	1.54E-02	1.65E-02	1.54E-02	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.65E-02
1898	ALL	Worker	486500	3617500	NonCancer	1.51E-02	1.56E-02	0.00E+00	1.20E-05	0.00E+00	1.51E-02	1.62E-02	1.51E-02	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	1.62E-02
412	ALL	residential	486330.6	3617725	NonCancer	1.51E-02	1.56E-02	0.00E+00	1.20E-05	0.00E+00	1.51E-02	1.59E-02	1.51E-02	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	1.59E-02
1869	ALL	Worker	486500	3617100	NonCancer	1.46E-02	1.51E-02	0.00E+00	1.16E-05	0.00E+00	1.46E-02	1.58E-02	1.46E-02	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	1.58E-02
1957	ALL	Worker	485600	3618500	NonCancer	1.48E-02	1.53E-02	0.00E+00	1.17E-05	0.00E+00	1.48E-02	1.56E-02	1.48E-02	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	1.56E-02
1958	ALL	Worker	485700	3618500	NonCancer	1.44E-02	1.49E-02	0.00E+00	1.15E-05	0.00E+00	1.44E-02	1.53E-02	1.44E-02	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	1.53E-02
1942	ALL	Worker	486000	3618200	NonCancer	1.41E-02	1.46E-02	0.00E+00	1.12E-05	0.00E+00	1.41E-02	1.51E-02	1.41E-02	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	1.51E-02
1881	ALL	Worker	486600	3617300	NonCancer	1.39E-02	1.44E-02	0.00E+00	1.10E-05	0.00E+00	1.39E-02	1.50E-02	1.39E-02	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	1.50E-02
1956	ALL	Worker	485500	3618500	NonCancer	1.43E-02	1.48E-02	0.00E+00	1.13E-05	0.00E+00	1.43E-02	1.50E-02	1.43E-02	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	1.50E-02

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1875	ALL	Worker	486600	3617200	NonCancer	1.37E-02	1.42E-02	0.00E+00	1.09E-05	0.00E+00	1.37E-02	1.48E-02	1.37E-02	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	1.48E-02
1930	ALL	Worker	486100	3618000	NonCancer	1.37E-02	1.42E-02	0.00E+00	1.09E-05	0.00E+00	1.37E-02	1.47E-02	1.37E-02	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	1.47E-02
1889	ALL	Worker	486600	3617400	NonCancer	1.35E-02	1.40E-02	0.00E+00	1.08E-05	0.00E+00	1.35E-02	1.46E-02	1.35E-02	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	1.46E-02
1913	ALL	Worker	486400	3617700	NonCancer	1.36E-02	1.41E-02	0.00E+00	1.08E-05	0.00E+00	1.37E-02	1.45E-02	1.36E-02	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	1.45E-02
1908	ALL	Worker	486500	3617600	NonCancer	1.33E-02	1.38E-02	0.00E+00	1.06E-05	0.00E+00	1.33E-02	1.42E-02	1.33E-02	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	1.42E-02
1959	ALL	Worker	485800	3618500	NonCancer	1.34E-02	1.39E-02	0.00E+00	1.06E-05	0.00E+00	1.34E-02	1.42E-02	1.34E-02	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	1.42E-02
1870	ALL	Worker	486600	3617100	NonCancer	1.30E-02	1.35E-02	0.00E+00	1.04E-05	0.00E+00	1.30E-02	1.41E-02	1.30E-02	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	1.41E-02
1953	ALL	Worker	485900	3618400	NonCancer	1.31E-02	1.36E-02	0.00E+00	1.04E-05	0.00E+00	1.31E-02	1.40E-02	1.31E-02	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	1.40E-02
1918	ALL	Worker	486300	3617800	NonCancer	1.29E-02	1.33E-02	0.00E+00	1.02E-05	0.00E+00	1.29E-02	1.36E-02	1.29E-02	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	1.36E-02
1924	ALL	Worker	486200	3617900	NonCancer	1.27E-02	1.32E-02	0.00E+00	1.01E-05	0.00E+00	1.27E-02	1.35E-02	1.27E-02	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	1.35E-02
1899	ALL	Worker	486600	3617500	NonCancer	1.25E-02	1.30E-02	0.00E+00	9.96E-06	0.00E+00	1.25E-02	1.35E-02	1.25E-02	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	1.35E-02
1865	ALL	Worker	486600	3617000	NonCancer	1.21E-02	1.25E-02	0.00E+00	9.60E-06	0.00E+00	1.21E-02	1.31E-02	1.21E-02	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	1.31E-02
1876	ALL	Worker	486700	3617200	NonCancer	1.20E-02	1.24E-02	0.00E+00	9.52E-06	0.00E+00	1.20E-02	1.30E-02	1.20E-02	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	1.30E-02
1882	ALL	Worker	486700	3617300	NonCancer	1.20E-02	1.24E-02	0.00E+00	9.52E-06	0.00E+00	1.20E-02	1.30E-02	1.20E-02	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	1.30E-02
1937	ALL	Worker	486100	3618100	NonCancer	1.20E-02	1.25E-02	0.00E+00	9.56E-06	0.00E+00	1.20E-02	1.30E-02	1.20E-02	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	1.30E-02
1955	ALL	Worker	485400	3618500	NonCancer	1.22E-02	1.27E-02	0.00E+00	9.71E-06	0.00E+00	1.22E-02	1.29E-02	1.22E-02	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	1.29E-02
1965	ALL	Worker	485600	3618600	NonCancer	1.20E-02	1.25E-02	0.00E+00	9.56E-06	0.00E+00	1.20E-02	1.28E-02	1.20E-02	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	1.28E-02
669	ALL	residential	485930.6	3618425	NonCancer	1.19E-02	1.23E-02	0.00E+00	9.44E-06	0.00E+00	1.19E-02	1.27E-02	1.19E-02	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	1.27E-02
1871	ALL	Worker	486700	3617100	NonCancer	1.16E-02	1.20E-02	0.00E+00	9.23E-06	0.00E+00	1.16E-02	1.26E-02	1.16E-02	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	1.26E-02
1966	ALL	Worker	485700	3618600	NonCancer	1.17E-02	1.21E-02	0.00E+00	9.26E-06	0.00E+00	1.17E-02	1.24E-02	1.17E-02	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	1.24E-02
1890	ALL	Worker	486700	3617400	NonCancer	1.15E-02	1.19E-02	0.00E+00	9.13E-06	0.00E+00	1.15E-02	1.24E-02	1.15E-02	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	1.24E-02
1964	ALL	Worker	485500	3618600	NonCancer	1.16E-02	1.20E-02	0.00E+00	9.21E-06	0.00E+00	1.16E-02	1.23E-02	1.16E-02	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	1.23E-02
636	ALL	residential	486030.6	3618325	NonCancer	1.12E-02	1.16E-02	0.00E+00	8.87E-06	0.00E+00	1.12E-02	1.20E-02	1.12E-02	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	1.20E-02
1866	ALL	Worker	486700	3617000	NonCancer	1.10E-02	1.14E-02	0.00E+00	8.72E-06	0.00E+00	1.10E-02	1.19E-02	1.10E-02	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	1.19E-02
1967	ALL	Worker	485800	3618600	NonCancer	1.11E-02	1.15E-02	0.00E+00	8.85E-06	0.00E+00	1.11E-02	1.19E-02	1.11E-02	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	1.19E-02
1909	ALL	Worker	486600	3617600	NonCancer	1.10E-02	1.14E-02	0.00E+00	8.77E-06	0.00E+00	1.10E-02	1.18E-02	1.10E-02	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	1.18E-02
1943	ALL	Worker	486100	3618200	NonCancer	1.09E-02	1.13E-02	0.00E+00	8.66E-06	0.00E+00	1.09E-02	1.18E-02	1.09E-02	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	1.18E-02
1914	ALL	Worker	486500	3617700	NonCancer	1.08E-02	1.12E-02	0.00E+00	8.56E-06	0.00E+00	1.08E-02	1.15E-02	1.08E-02	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	1.15E-02
1877	ALL	Worker	486800	3617200	NonCancer	1.05E-02	1.09E-02	0.00E+00	8.38E-06	0.00E+00	1.06E-02	1.14E-02	1.05E-02	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	1.14E-02
1900	ALL	Worker	486700	3617500	NonCancer	1.06E-02	1.10E-02	0.00E+00	8.40E-06	0.00E+00	1.06E-02	1.14E-02	1.06E-02	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	1.14E-02
1872	ALL	Worker	486800	3617100	NonCancer	1.04E-02	1.07E-02	0.00E+00	8.24E-06	0.00E+00	1.04E-02	1.13E-02	1.04E-02	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	1.13E-02
1883	ALL	Worker	486800	3617300	NonCancer	1.04E-02	1.08E-02	0.00E+00	8.25E-06	0.00E+00	1.04E-02	1.13E-02	1.04E-02	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	1.13E-02
1931	ALL	Worker	486200	3618000	NonCancer	1.05E-02	1.08E-02	0.00E+00	8.32E-06	0.00E+00	1.05E-02	1.12E-02	1.05E-02	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	1.12E-02
741	ALL	residential	485830.6	3618625	NonCancer	1.03E-02	1.07E-02	0.00E+00	8.19E-06	0.00E+00	1.03E-02	1.10E-02	1.03E-02	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	1.10E-02
704	ALL	residential	485930.6	3618525	NonCancer	1.03E-02	1.06E-02	0.00E+00	8.15E-06	0.00E+00	1.03E-02	1.10E-02	1.03E-02	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.10E-02
1919	ALL	Worker	486400	3617800	NonCancer	1.02E-02	1.06E-02	0.00E+00	8.13E-06	0.00E+00	1.02E-02	1.09E-02	1.02E-02	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	1.09E-02
1867	ALL	Worker	486800	3617000	NonCancer	9.97E-03	1.03E-02	0.00E+00	7.91E-06	0.00E+00	9.97E-03	1.08E-02	9.97E-03	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.08E-02
1963	ALL	Worker	485400	3618600	NonCancer	1.01E-02	1.05E-02	0.00E+00	8.04E-06	0.00E+00	1.01E-02	1.07E-02	1.01E-02	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	1.07E-02
606	ALL	residential	486130.6	3618225	NonCancer	9.87E-03	1.02E-02	0.00E+00	7.84E-06	0.00E+00	9.88E-03	1.07E-02	9.87E-03	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	1.07E-02
1891	ALL	Worker	486800	3617400	NonCancer	9.88E-03	1.02E-02	0.00E+00	7.85E-06	0.00E+00	9.88E-03	1.07E-02	9.88E-03	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	1.07E-02
1974	ALL	Worker	485600	3618700	NonCancer	9.99E-03	1.03E-02	0.00E+00	7.94E-06	0.00E+00	1.00E-02	1.06E-02	9.99E-03	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.06E-02
1925	ALL	Worker	486300	3617900	NonCancer	9.96E-03	1.03E-02	0.00E+00	7.91E-06	0.00E+00	9.96E-03	1.06E-02	9.96E-03	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	1.06E-02
670	ALL	residential	486030.6	3618425	NonCancer	9.84E-03	1.02E-02	0.00E+00	7.81E-06	0.00E+00	9.84E-03	1.06E-02	9.84E-03	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.06E-02
374	ALL	residential	486630.6	3617625	NonCancer	9.88E-03	1.02E-02	0.00E+00	7.85E-06	0.00E+00	9.89E-03	1.06E-02	9.88E-03	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	1.06E-02
340	ALL	residential	486730.6	3617525	NonCancer	9.79E-03	1.01E-02	0.00E+00	7.77E-06	0.00E+00	9.79E-03	1.05E-02	9.79E-03	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	1.05E-02
1975	ALL	Worker	485700	3618700	NonCancer	9.67E-03	1.00E-02	0.00E+00	7.68E-06	0.00E+00	9.67E-03	1.03E-02	9.67E-03	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.03E-02
1973	ALL	Worker	485500	3618700	NonCancer	9.66E-03	1.00E-02	0.00E+00	7.67E-06	0.00E+00	9.66E-03	1.03E-02	9.66E-03	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.03E-02
140	ALL	residential	486544.7	3617711	NonCancer	9.61E-03	9.95E-03	0.00E+00	7.63E-06	0.00E+00	9.61E-03	1.02E-02	9.61E-03	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	1.02E-02
1863	ALL	Worker	486800	3616900	NonCancer	9.38E-03	9.71E-03	0.00E+00	7.45E-06	0.00E+00	9.38E-03	1.02E-02	9.38E-03	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	1.02E-02
413	ALL	residential	486530.6	3617725	NonCancer	9.54E-03	9.88E-03	0.00E+00	7.58E-06	0.00E+00	9.54E-03	1.02E-02	9.54E-03	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.02E-02
139	ALL	residential	486517.8	3617736	NonCancer	9.51E-03	9.85E-03	0.00E+00	7.55E-06	0.00E+00	9.51E-03	1.01E-02	9.51E-03	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	1.01E-02
1878	ALL	Worker	486900	3617200	NonCancer	9.31E-03	9.64E-03	0.00E+00	7.39E-06	0.00E+00	9.31E-03	1.01E-02	9.31E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	1.01E-02

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1873	ALL	Worker	486900	3617100	NonCancer	9.28E-03	9.61E-03	0.00E+00	7.37E-06	0.00E+00	9.28E-03	1.01E-02	9.28E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	1.01E-02
138	ALL	residential	486474.2	3617772	NonCancer	9.48E-03	9.81E-03	0.00E+00	7.53E-06	0.00E+00	9.48E-03	1.01E-02	9.48E-03	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.01E-02
534	ALL	residential	486230.6	3618025	NonCancer	9.37E-03	9.70E-03	0.00E+00	7.44E-06	0.00E+00	9.37E-03	1.01E-02	9.37E-03	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	1.01E-02
137	ALL	residential	486422.2	3617812	NonCancer	9.46E-03	9.80E-03	0.00E+00	7.51E-06	0.00E+00	9.46E-03	1.01E-02	9.46E-03	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	1.01E-02
1938	ALL	Worker	486200	3618100	NonCancer	9.28E-03	9.61E-03	0.00E+00	7.37E-06	0.00E+00	9.28E-03	1.00E-02	9.28E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	1.00E-02
1884	ALL	Worker	486900	3617300	NonCancer	9.08E-03	9.40E-03	0.00E+00	7.21E-06	0.00E+00	9.08E-03	9.84E-03	9.08E-03	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	9.84E-03
1868	ALL	Worker	486900	3617000	NonCancer	9.03E-03	9.35E-03	0.00E+00	7.17E-06	0.00E+00	9.04E-03	9.83E-03	9.03E-03	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	9.83E-03
1901	ALL	Worker	486800	3617500	NonCancer	9.05E-03	9.37E-03	0.00E+00	7.18E-06	0.00E+00	9.05E-03	9.71E-03	9.05E-03	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	9.71E-03
637	ALL	residential	486130.6	3618325	NonCancer	8.97E-03	9.28E-03	0.00E+00	7.12E-06	0.00E+00	8.97E-03	9.68E-03	8.97E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	9.68E-03
454	ALL	residential	486430.6	3617825	NonCancer	9.01E-03	9.32E-03	0.00E+00	7.15E-06	0.00E+00	9.01E-03	9.59E-03	9.01E-03	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	9.59E-03
742	ALL	residential	485930.6	3618625	NonCancer	8.93E-03	9.25E-03	0.00E+00	7.09E-06	0.00E+00	8.93E-03	9.56E-03	8.93E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	9.56E-03
495	ALL	residential	486330.6	3617925	NonCancer	8.85E-03	9.16E-03	0.00E+00	7.03E-06	0.00E+00	8.85E-03	9.45E-03	8.85E-03	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	9.45E-03
1864	ALL	Worker	486900	3616900	NonCancer	8.62E-03	8.93E-03	0.00E+00	6.85E-06	0.00E+00	8.62E-03	9.37E-03	8.62E-03	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	9.37E-03
779	ALL	residential	485830.6	3618725	NonCancer	8.75E-03	9.06E-03	0.00E+00	6.95E-06	0.00E+00	8.75E-03	9.35E-03	8.75E-03	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	9.35E-03
1892	ALL	Worker	486900	3617400	NonCancer	8.57E-03	8.87E-03	0.00E+00	6.81E-06	0.00E+00	8.57E-03	9.25E-03	8.57E-03	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	9.25E-03
705	ALL	residential	486030.6	3618525	NonCancer	8.61E-03	8.91E-03	0.00E+00	6.83E-06	0.00E+00	8.61E-03	9.25E-03	8.61E-03	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	9.25E-03
1972	ALL	Worker	485400	3618700	NonCancer	8.60E-03	8.91E-03	0.00E+00	6.83E-06	0.00E+00	8.60E-03	9.17E-03	8.60E-03	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	9.17E-03
572	ALL	residential	486230.6	3618125	NonCancer	8.44E-03	8.74E-03	0.00E+00	6.70E-06	0.00E+00	8.44E-03	9.12E-03	8.44E-03	0.00E+00	0.00E+00	0.00E+00	9.99E-05	0.00E+00	0.00E+00	9.12E-03
1981	ALL	Worker	485600	3618800	NonCancer	8.45E-03	8.75E-03	0.00E+00	6.71E-06	0.00E+00	8.46E-03	9.03E-03	8.45E-03	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	9.03E-03
341	ALL	residential	486830.6	3617525	NonCancer	8.37E-03	8.67E-03	0.00E+00	6.65E-06	0.00E+00	8.37E-03	8.99E-03	8.37E-03	0.00E+00	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00	8.99E-03
375	ALL	residential	486730.6	3617625	NonCancer	8.34E-03	8.63E-03	0.00E+00	6.62E-06	0.00E+00	8.34E-03	8.92E-03	8.34E-03	0.00E+00	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00	8.92E-03
1932	ALL	Worker	486300	3618000	NonCancer	8.26E-03	8.56E-03	0.00E+00	6.56E-06	0.00E+00	8.27E-03	8.88E-03	8.26E-03	0.00E+00	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00	8.88E-03
671	ALL	residential	486130.6	3618425	NonCancer	8.15E-03	8.44E-03	0.00E+00	6.48E-06	0.00E+00	8.15E-03	8.80E-03	8.15E-03	0.00E+00	0.00E+00	0.00E+00	9.65E-05	0.00E+00	0.00E+00	8.80E-03
1982	ALL	Worker	485700	3618800	NonCancer	8.22E-03	8.51E-03	0.00E+00	6.53E-06	0.00E+00	8.22E-03	8.80E-03	8.22E-03	0.00E+00	0.00E+00	0.00E+00	9.73E-05	0.00E+00	0.00E+00	8.80E-03
1980	ALL	Worker	485500	3618800	NonCancer	8.19E-03	8.48E-03	0.00E+00	6.51E-06	0.00E+00	8.19E-03	8.74E-03	8.19E-03	0.00E+00	0.00E+00	0.00E+00	9.69E-05	0.00E+00	0.00E+00	8.74E-03
316	ALL	residential	486930.6	3617425	NonCancer	8.11E-03	8.39E-03	0.00E+00	6.44E-06	0.00E+00	8.11E-03	8.74E-03	8.11E-03	0.00E+00	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00	8.74E-03
1949	ALL	Worker	485200	3618400	NonCancer	8.03E-03	8.31E-03	0.00E+00	6.38E-06	0.00E+00	8.03E-03	8.60E-03	8.03E-03	0.00E+00	0.00E+00	0.00E+00	9.50E-05	0.00E+00	0.00E+00	8.60E-03
1926	ALL	Worker	486400	3617900	NonCancer	8.02E-03	8.30E-03	0.00E+00	6.37E-06	0.00E+00	8.02E-03	8.57E-03	8.02E-03	0.00E+00	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	8.57E-03
414	ALL	residential	486630.6	3617725	NonCancer	8.00E-03	8.28E-03	0.00E+00	6.35E-06	0.00E+00	8.00E-03	8.54E-03	8.00E-03	0.00E+00	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	8.54E-03
1860	ALL	Worker	486700	3616600	NonCancer	7.87E-03	8.15E-03	0.00E+00	6.25E-06	0.00E+00	7.87E-03	8.50E-03	7.87E-03	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	8.50E-03
141	ALL	residential	486607.9	3617745	NonCancer	7.92E-03	8.20E-03	0.00E+00	6.29E-06	0.00E+00	7.92E-03	8.45E-03	7.92E-03	0.00E+00	0.00E+00	0.00E+00	9.37E-05	0.00E+00	0.00E+00	8.45E-03
607	ALL	residential	486230.6	3618225	NonCancer	7.79E-03	8.06E-03	0.00E+00	6.18E-06	0.00E+00	7.79E-03	8.44E-03	7.79E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	8.44E-03
1902	ALL	Worker	486900	3617500	NonCancer	7.81E-03	8.08E-03	0.00E+00	6.20E-06	0.00E+00	7.81E-03	8.39E-03	7.81E-03	0.00E+00	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	8.39E-03
142	ALL	residential	486555.9	3617784	NonCancer	7.87E-03	8.14E-03	0.00E+00	6.25E-06	0.00E+00	7.87E-03	8.39E-03	7.87E-03	0.00E+00	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00	8.39E-03
143	ALL	residential	486498.3	3617831	NonCancer	7.82E-03	8.10E-03	0.00E+00	6.21E-06	0.00E+00	7.83E-03	8.35E-03	7.82E-03	0.00E+00	0.00E+00	0.00E+00	9.26E-05	0.00E+00	0.00E+00	8.35E-03
144	ALL	residential	486456.5	3617863	NonCancer	7.82E-03	8.09E-03	0.00E+00	6.21E-06	0.00E+00	7.82E-03	8.35E-03	7.82E-03	0.00E+00	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00	8.35E-03
780	ALL	residential	485930.6	3618725	NonCancer	7.77E-03	8.05E-03	0.00E+00	6.17E-06	0.00E+00	7.77E-03	8.33E-03	7.77E-03	0.00E+00	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00	8.33E-03
292	ALL	residential	487030.6	3617325	NonCancer	7.69E-03	7.96E-03	0.00E+00	6.11E-06	0.00E+00	7.69E-03	8.33E-03	7.69E-03	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	8.33E-03
743	ALL	residential	486030.6	3618625	NonCancer	7.63E-03	7.89E-03	0.00E+00	6.06E-06	0.00E+00	7.63E-03	8.20E-03	7.63E-03	0.00E+00	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	8.20E-03
1861	ALL	Worker	486800	3616600	NonCancer	7.45E-03	7.71E-03	0.00E+00	5.92E-06	0.00E+00	7.45E-03	8.07E-03	7.45E-03	0.00E+00	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00	8.07E-03
535	ALL	residential	486330.6	3618025	NonCancer	7.46E-03	7.73E-03	0.00E+00	5.93E-06	0.00E+00	7.47E-03	8.04E-03	7.46E-03	0.00E+00	0.00E+00	0.00E+00	8.83E-05	0.00E+00	0.00E+00	8.04E-03
817	ALL	residential	485830.6	3618825	NonCancer	7.47E-03	7.73E-03	0.00E+00	5.93E-06	0.00E+00	7.47E-03	8.01E-03	7.47E-03	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	8.01E-03
455	ALL	residential	486530.6	3617825	NonCancer	7.47E-03	7.73E-03	0.00E+00	5.93E-06	0.00E+00	7.47E-03	7.98E-03	7.47E-03	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	7.98E-03
816	ALL	residential	485430.6	3618825	NonCancer	7.41E-03	7.67E-03	0.00E+00	5.89E-06	0.00E+00	7.41E-03	7.92E-03	7.41E-03	0.00E+00	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	7.92E-03
706	ALL	residential	486130.6	3618525	NonCancer	7.32E-03	7.58E-03	0.00E+00	5.82E-06	0.00E+00	7.32E-03	7.91E-03	7.32E-03	0.00E+00	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	7.91E-03
638	ALL	residential	486230.6	3618325	NonCancer	7.28E-03	7.54E-03	0.00E+00	5.78E-06	0.00E+00	7.28E-03	7.90E-03	7.28E-03	0.00E+00	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00	7.90E-03
778	ALL	residential	485330.6	3618725	NonCancer	7.37E-03	7.63E-03	0.00E+00	5.85E-06	0.00E+00	7.37E-03	7.88E-03	7.37E-03	0.00E+00	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00	7.88E-03
1954	ALL	Worker	485200	3618500	NonCancer	7.32E-03	7.58E-03	0.00E+00	5.82E-06	0.00E+00	7.33E-03	7.86E-03	7.32E-03	0.00E+00	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	7.86E-03
342	ALL	residential	486930.6	3617525	NonCancer	7.24E-03	7.49E-03	0.00E+00	5.75E-06	0.00E+00	7.24E-03	7.78E-03	7.24E-03	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	7.78E-03
1988	ALL	Worker	485600	3618900	NonCancer	7.25E-03	7.51E-03	0.00E+00	5.76E-06	0.00E+00	7.25E-03	7.77E-03	7.25E-03	0.00E+00	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	7.77E-03
496	ALL	residential	486430.6	3617925	NonCancer	7.18E-03	7.43E-03	0.00E+00	5.70E-06	0.00E+00	7.18E-03	7.70E-03	7.18E-03	0.00E+00	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	7.70E-03
317	ALL	residential	487030.6	3617425	NonCancer	7.13E-03	7.38E-03	0.00E+00	5.66E-06	0.00E+00	7.13E-03	7.69E-03	7.13E-03	0.00E+00	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00	7.69E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
376	ALL	residential	486830.6	3617625	NonCancer	7.12E-03	7.38E-03	0.00E+00	5.66E-06	0.00E+00	7.12E-03	7.64E-03	7.12E-03	0.00E+00	0.00E+00	0.00E+00	8.43E-05	0.00E+00	0.00E+00	7.64E-03
1862	ALL	Worker	486900	3616600	NonCancer	7.04E-03	7.28E-03	0.00E+00	5.59E-06	0.00E+00	7.04E-03	7.63E-03	7.04E-03	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	7.63E-03
1989	ALL	Worker	485700	3618900	NonCancer	7.08E-03	7.33E-03	0.00E+00	5.62E-06	0.00E+00	7.08E-03	7.60E-03	7.08E-03	0.00E+00	0.00E+00	0.00E+00	8.37E-05	0.00E+00	0.00E+00	7.60E-03
293	ALL	residential	487130.6	3617325	NonCancer	6.87E-03	7.11E-03	0.00E+00	5.45E-06	0.00E+00	6.87E-03	7.44E-03	6.87E-03	0.00E+00	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	7.44E-03
858	ALL	residential	485530.6	3618925	NonCancer	6.89E-03	7.14E-03	0.00E+00	5.48E-06	0.00E+00	6.89E-03	7.39E-03	6.89E-03	0.00E+00	0.00E+00	0.00E+00	8.16E-05	0.00E+00	0.00E+00	7.39E-03
740	ALL	residential	485230.6	3618625	NonCancer	6.88E-03	7.12E-03	0.00E+00	5.47E-06	0.00E+00	6.88E-03	7.38E-03	6.88E-03	0.00E+00	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	7.38E-03
818	ALL	residential	485930.6	3618825	NonCancer	6.83E-03	7.07E-03	0.00E+00	5.42E-06	0.00E+00	6.83E-03	7.34E-03	6.83E-03	0.00E+00	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00	7.34E-03
672	ALL	residential	486230.6	3618425	NonCancer	6.74E-03	6.98E-03	0.00E+00	5.35E-06	0.00E+00	6.74E-03	7.31E-03	6.74E-03	0.00E+00	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	7.31E-03
573	ALL	residential	486330.6	3618125	NonCancer	6.74E-03	6.97E-03	0.00E+00	5.35E-06	0.00E+00	6.74E-03	7.30E-03	6.74E-03	0.00E+00	0.00E+00	0.00E+00	7.97E-05	0.00E+00	0.00E+00	7.30E-03
781	ALL	residential	486030.6	3618725	NonCancer	6.78E-03	7.02E-03	0.00E+00	5.38E-06	0.00E+00	6.78E-03	7.30E-03	6.78E-03	0.00E+00	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	7.30E-03
415	ALL	residential	486730.6	3617725	NonCancer	6.76E-03	7.00E-03	0.00E+00	5.37E-06	0.00E+00	6.76E-03	7.24E-03	6.76E-03	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	7.24E-03
273	ALL	residential	487230.6	3617225	NonCancer	6.47E-03	6.70E-03	0.00E+00	5.14E-06	0.00E+00	6.47E-03	7.03E-03	6.47E-03	0.00E+00	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	7.03E-03
815	ALL	residential	485330.6	3618825	NonCancer	6.46E-03	6.69E-03	0.00E+00	5.13E-06	0.00E+00	6.46E-03	6.93E-03	6.46E-03	0.00E+00	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	6.93E-03
859	ALL	residential	485830.6	3618925	NonCancer	6.43E-03	6.66E-03	0.00E+00	5.11E-06	0.00E+00	6.44E-03	6.92E-03	6.43E-03	0.00E+00	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	6.92E-03
857	ALL	residential	485430.6	3618925	NonCancer	6.44E-03	6.67E-03	0.00E+00	5.12E-06	0.00E+00	6.44E-03	6.91E-03	6.44E-03	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	6.91E-03
608	ALL	residential	486330.6	3618225	NonCancer	6.33E-03	6.55E-03	0.00E+00	5.03E-06	0.00E+00	6.33E-03	6.88E-03	6.33E-03	0.00E+00	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	6.88E-03
318	ALL	residential	487130.6	3617425	NonCancer	6.27E-03	6.50E-03	0.00E+00	4.98E-06	0.00E+00	6.27E-03	6.78E-03	6.27E-03	0.00E+00	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	6.78E-03
343	ALL	residential	487030.6	3617525	NonCancer	6.28E-03	6.50E-03	0.00E+00	4.99E-06	0.00E+00	6.28E-03	6.76E-03	6.28E-03	0.00E+00	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	6.76E-03
1993	ALL	Worker	485600	3619000	NonCancer	6.29E-03	6.51E-03	0.00E+00	4.99E-06	0.00E+00	6.29E-03	6.76E-03	6.29E-03	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	6.76E-03
456	ALL	residential	486630.6	3617825	NonCancer	6.29E-03	6.51E-03	0.00E+00	5.00E-06	0.00E+00	6.29E-03	6.74E-03	6.29E-03	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	6.74E-03
294	ALL	residential	487230.6	3617325	NonCancer	6.12E-03	6.34E-03	0.00E+00	4.86E-06	0.00E+00	6.12E-03	6.63E-03	6.12E-03	0.00E+00	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	6.63E-03
1994	ALL	Worker	485700	3619000	NonCancer	6.15E-03	6.37E-03	0.00E+00	4.89E-06	0.00E+00	6.15E-03	6.62E-03	6.15E-03	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	6.62E-03
377	ALL	residential	486930.6	3617625	NonCancer	6.14E-03	6.36E-03	0.00E+00	4.88E-06	0.00E+00	6.14E-03	6.60E-03	6.14E-03	0.00E+00	0.00E+00	0.00E+00	7.27E-05	0.00E+00	0.00E+00	6.60E-03
536	ALL	residential	486430.6	3618025	NonCancer	6.08E-03	6.29E-03	0.00E+00	4.83E-06	0.00E+00	6.08E-03	6.56E-03	6.08E-03	0.00E+00	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	6.56E-03
777	ALL	residential	485230.6	3618725	NonCancer	6.08E-03	6.30E-03	0.00E+00	4.83E-06	0.00E+00	6.08E-03	6.55E-03	6.08E-03	0.00E+00	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	6.55E-03
819	ALL	residential	486030.6	3618825	NonCancer	6.08E-03	6.29E-03	0.00E+00	4.83E-06	0.00E+00	6.08E-03	6.55E-03	6.08E-03	0.00E+00	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	6.55E-03
912	ALL	residential	485630.6	3619025	NonCancer	6.07E-03	6.29E-03	0.00E+00	4.82E-06	0.00E+00	6.07E-03	6.53E-03	6.07E-03	0.00E+00	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	6.53E-03
860	ALL	residential	485930.6	3618925	NonCancer	6.04E-03	6.26E-03	0.00E+00	4.80E-06	0.00E+00	6.04E-03	6.50E-03	6.04E-03	0.00E+00	0.00E+00	0.00E+00	7.15E-05	0.00E+00	0.00E+00	6.50E-03
1948	ALL	Worker	485100	3618400	NonCancer	5.96E-03	6.17E-03	0.00E+00	4.73E-06	0.00E+00	5.96E-03	6.48E-03	5.96E-03	0.00E+00	0.00E+00	0.00E+00	7.05E-05	0.00E+00	0.00E+00	6.48E-03
639	ALL	residential	486330.6	3618325	NonCancer	5.95E-03	6.16E-03	0.00E+00	4.72E-06	0.00E+00	5.95E-03	6.48E-03	5.95E-03	0.00E+00	0.00E+00	0.00E+00	7.04E-05	0.00E+00	0.00E+00	6.48E-03
911	ALL	residential	485530.6	3619025	NonCancer	6.01E-03	6.22E-03	0.00E+00	4.77E-06	0.00E+00	6.01E-03	6.46E-03	6.01E-03	0.00E+00	0.00E+00	0.00E+00	7.11E-05	0.00E+00	0.00E+00	6.46E-03
497	ALL	residential	486530.6	3617925	NonCancer	5.97E-03	6.18E-03	0.00E+00	4.74E-06	0.00E+00	5.97E-03	6.42E-03	5.97E-03	0.00E+00	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	6.42E-03
274	ALL	residential	487330.6	3617225	NonCancer	5.86E-03	6.06E-03	0.00E+00	4.65E-06	0.00E+00	5.86E-03	6.37E-03	5.86E-03	0.00E+00	0.00E+00	0.00E+00	6.93E-05	0.00E+00	0.00E+00	6.37E-03
913	ALL	residential	485730.6	3619025	NonCancer	5.87E-03	6.08E-03	0.00E+00	4.66E-06	0.00E+00	5.87E-03	6.33E-03	5.87E-03	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	6.33E-03
416	ALL	residential	486830.6	3617725	NonCancer	5.83E-03	6.03E-03	0.00E+00	4.63E-06	0.00E+00	5.83E-03	6.25E-03	5.83E-03	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	6.25E-03
856	ALL	residential	485330.6	3618925	NonCancer	5.71E-03	5.91E-03	0.00E+00	4.53E-06	0.00E+00	5.71E-03	6.15E-03	5.71E-03	0.00E+00	0.00E+00	0.00E+00	6.76E-05	0.00E+00	0.00E+00	6.15E-03
744	ALL	residential	486230.6	3618625	NonCancer	5.63E-03	5.83E-03	0.00E+00	4.47E-06	0.00E+00	5.63E-03	6.11E-03	5.63E-03	0.00E+00	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00	6.11E-03
910	ALL	residential	485430.6	3619025	NonCancer	5.65E-03	5.85E-03	0.00E+00	4.49E-06	0.00E+00	5.65E-03	6.08E-03	5.65E-03	0.00E+00	0.00E+00	0.00E+00	6.69E-05	0.00E+00	0.00E+00	6.08E-03
914	ALL	residential	485830.6	3619025	NonCancer	5.61E-03	5.81E-03	0.00E+00	4.45E-06	0.00E+00	5.61E-03	6.05E-03	5.61E-03	0.00E+00	0.00E+00	0.00E+00	6.64E-05	0.00E+00	0.00E+00	6.05E-03
574	ALL	residential	486430.6	3618125	NonCancer	5.52E-03	5.72E-03	0.00E+00	4.38E-06	0.00E+00	5.52E-03	6.00E-03	5.52E-03	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	6.00E-03
319	ALL	residential	487230.6	3617425	NonCancer	5.54E-03	5.73E-03	0.00E+00	4.40E-06	0.00E+00	5.54E-03	5.99E-03	5.54E-03	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	5.99E-03
1997	ALL	Worker	485600	3619100	NonCancer	5.52E-03	5.71E-03	0.00E+00	4.38E-06	0.00E+00	5.52E-03	5.94E-03	5.52E-03	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	5.94E-03
295	ALL	residential	487330.6	3617325	NonCancer	5.47E-03	5.66E-03	0.00E+00	4.34E-06	0.00E+00	5.47E-03	5.93E-03	5.47E-03	0.00E+00	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00	5.93E-03
344	ALL	residential	487130.6	3617525	NonCancer	5.48E-03	5.68E-03	0.00E+00	4.36E-06	0.00E+00	5.48E-03	5.92E-03	5.48E-03	0.00E+00	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	5.92E-03
739	ALL	residential	485130.6	3618625	NonCancer	5.44E-03	5.63E-03	0.00E+00	4.32E-06	0.00E+00	5.44E-03	5.90E-03	5.44E-03	0.00E+00	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00	5.90E-03
861	ALL	residential	486030.6	3618925	NonCancer	5.45E-03	5.64E-03	0.00E+00	4.33E-06	0.00E+00	5.45E-03	5.88E-03	5.45E-03	0.00E+00	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	5.88E-03
814	ALL	residential	485230.6	3618825	NonCancer	5.40E-03	5.59E-03	0.00E+00	4.29E-06	0.00E+00	5.40E-03	5.83E-03	5.40E-03	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	5.83E-03
1998	ALL	Worker	485700	3619100	NonCancer	5.41E-03	5.60E-03	0.00E+00	4.29E-06	0.00E+00	5.41E-03	5.83E-03	5.41E-03	0.00E+00	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00	5.83E-03
457	ALL	residential	486730.6	3617825	NonCancer	5.38E-03	5.57E-03	0.00E+00	4.27E-06	0.00E+00	5.38E-03	5.78E-03	5.38E-03	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	5.78E-03
275	ALL	residential	487430.6	3617225	NonCancer	5.28E-03	5.47E-03	0.00E+00	4.20E-06	0.00E+00	5.28E-03	5.76E-03	5.28E-03	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	5.76E-03
966	ALL	residential	485630.6	3619125	NonCancer	5.33E-03	5.52E-03	0.00E+00	4.23E-06	0.00E+00	5.33E-03	5.75E-03	5.33E-03	0.00E+00	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	5.75E-03
915	ALL	residential	485930.6	3619025	NonCancer	5.33E-03	5.52E-03	0.00E+00	4.23E-06	0.00E+00	5.33E-03	5.75E-03	5.33E-03	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	5.75E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
378	ALL	residential	487030.6	3617625	NonCancer	5.32E-03	5.51E-03	0.00E+00	4.22E-06	0.00E+00	5.32E-03	5.73E-03	5.32E-03	0.00E+00	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00	5.73E-03
965	ALL	residential	485530.6	3619125	NonCancer	5.28E-03	5.47E-03	0.00E+00	4.19E-06	0.00E+00	5.28E-03	5.69E-03	5.28E-03	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	5.69E-03
707	ALL	residential	486330.6	3618525	NonCancer	5.20E-03	5.39E-03	0.00E+00	4.13E-06	0.00E+00	5.20E-03	5.67E-03	5.20E-03	0.00E+00	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00	5.67E-03
609	ALL	residential	486430.6	3618225	NonCancer	5.20E-03	5.38E-03	0.00E+00	4.13E-06	0.00E+00	5.20E-03	5.66E-03	5.20E-03	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	5.66E-03
967	ALL	residential	485730.6	3619125	NonCancer	5.17E-03	5.35E-03	0.00E+00	4.11E-06	0.00E+00	5.17E-03	5.58E-03	5.17E-03	0.00E+00	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	5.58E-03
782	ALL	residential	486230.6	3618725	NonCancer	5.11E-03	5.30E-03	0.00E+00	4.06E-06	0.00E+00	5.12E-03	5.56E-03	5.11E-03	0.00E+00	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00	5.56E-03
909	ALL	residential	485330.6	3619025	NonCancer	5.07E-03	5.25E-03	0.00E+00	4.03E-06	0.00E+00	5.08E-03	5.48E-03	5.07E-03	0.00E+00	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	5.48E-03
537	ALL	residential	486530.6	3618025	NonCancer	5.06E-03	5.24E-03	0.00E+00	4.02E-06	0.00E+00	5.06E-03	5.48E-03	5.06E-03	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	5.48E-03
498	ALL	residential	486630.6	3617925	NonCancer	5.05E-03	5.23E-03	0.00E+00	4.01E-06	0.00E+00	5.05E-03	5.45E-03	5.05E-03	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	5.45E-03
417	ALL	residential	486930.6	3617725	NonCancer	5.05E-03	5.23E-03	0.00E+00	4.01E-06	0.00E+00	5.05E-03	5.44E-03	5.05E-03	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	5.44E-03
1	ALL	residential	487479.5	3617251	NonCancer	4.95E-03	5.13E-03	0.00E+00	3.93E-06	0.00E+00	4.95E-03	5.41E-03	4.95E-03	0.00E+00	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00	5.41E-03
964	ALL	residential	485430.6	3619125	NonCancer	5.00E-03	5.18E-03	0.00E+00	3.97E-06	0.00E+00	5.00E-03	5.40E-03	5.00E-03	0.00E+00	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	5.40E-03
776	ALL	residential	485130.6	3618725	NonCancer	4.96E-03	5.14E-03	0.00E+00	3.94E-06	0.00E+00	4.96E-03	5.39E-03	4.96E-03	0.00E+00	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	5.39E-03
296	ALL	residential	487430.6	3617325	NonCancer	4.91E-03	5.08E-03	0.00E+00	3.90E-06	0.00E+00	4.91E-03	5.34E-03	4.91E-03	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	5.34E-03
17	ALL	residential	487479.5	3617270	NonCancer	4.88E-03	5.06E-03	0.00E+00	3.88E-06	0.00E+00	4.88E-03	5.33E-03	4.88E-03	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	5.33E-03
968	ALL	residential	485830.6	3619125	NonCancer	4.92E-03	5.10E-03	0.00E+00	3.91E-06	0.00E+00	4.92E-03	5.33E-03	4.92E-03	0.00E+00	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00	5.33E-03
320	ALL	residential	487330.6	3617425	NonCancer	4.91E-03	5.08E-03	0.00E+00	3.90E-06	0.00E+00	4.91E-03	5.32E-03	4.91E-03	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	5.32E-03
745	ALL	residential	486330.6	3618625	NonCancer	4.85E-03	5.02E-03	0.00E+00	3.85E-06	0.00E+00	4.85E-03	5.29E-03	4.85E-03	0.00E+00	0.00E+00	0.00E+00	5.74E-05	0.00E+00	0.00E+00	5.29E-03
916	ALL	residential	486030.6	3619025	NonCancer	4.88E-03	5.06E-03	0.00E+00	3.88E-06	0.00E+00	4.88E-03	5.28E-03	4.88E-03	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	5.28E-03
2	ALL	residential	487504.5	3617251	NonCancer	4.83E-03	5.00E-03	0.00E+00	3.83E-06	0.00E+00	4.83E-03	5.27E-03	4.83E-03	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	5.27E-03
855	ALL	residential	485230.6	3618925	NonCancer	4.85E-03	5.02E-03	0.00E+00	3.85E-06	0.00E+00	4.85E-03	5.26E-03	4.85E-03	0.00E+00	0.00E+00	0.00E+00	5.74E-05	0.00E+00	0.00E+00	5.26E-03
33	ALL	residential	487479.5	3617289	NonCancer	4.81E-03	4.98E-03	0.00E+00	3.82E-06	0.00E+00	4.81E-03	5.25E-03	4.81E-03	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	5.25E-03
345	ALL	residential	487230.6	3617525	NonCancer	4.82E-03	5.00E-03	0.00E+00	3.83E-06	0.00E+00	4.83E-03	5.22E-03	4.82E-03	0.00E+00	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00	5.22E-03
18	ALL	residential	487504.5	3617270	NonCancer	4.76E-03	4.93E-03	0.00E+00	3.78E-06	0.00E+00	4.76E-03	5.19E-03	4.76E-03	0.00E+00	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00	5.19E-03
49	ALL	residential	487479.5	3617309	NonCancer	4.73E-03	4.90E-03	0.00E+00	3.76E-06	0.00E+00	4.73E-03	5.16E-03	4.73E-03	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	5.16E-03
3	ALL	residential	487529.5	3617251	NonCancer	4.71E-03	4.88E-03	0.00E+00	3.74E-06	0.00E+00	4.71E-03	5.14E-03	4.71E-03	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	5.14E-03
34	ALL	residential	487504.5	3617289	NonCancer	4.69E-03	4.86E-03	0.00E+00	3.72E-06	0.00E+00	4.69E-03	5.11E-03	4.69E-03	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	5.11E-03
820	ALL	residential	486230.6	3618825	NonCancer	4.68E-03	4.84E-03	0.00E+00	3.72E-06	0.00E+00	4.68E-03	5.09E-03	4.68E-03	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	5.09E-03
673	ALL	residential	486430.6	3618425	NonCancer	4.64E-03	4.81E-03	0.00E+00	3.69E-06	0.00E+00	4.64E-03	5.08E-03	4.64E-03	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	5.08E-03
65	ALL	residential	487479.5	3617328	NonCancer	4.65E-03	4.81E-03	0.00E+00	3.69E-06	0.00E+00	4.65E-03	5.07E-03	4.65E-03	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	5.07E-03
1022	ALL	residential	485630.6	3619225	NonCancer	4.69E-03	4.85E-03	0.00E+00	3.72E-06	0.00E+00	4.69E-03	5.07E-03	4.69E-03	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	5.07E-03
969	ALL	residential	485930.6	3619125	NonCancer	4.68E-03	4.85E-03	0.00E+00	3.72E-06	0.00E+00	4.68E-03	5.07E-03	4.68E-03	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	5.07E-03
19	ALL	residential	487529.5	3617270	NonCancer	4.64E-03	4.81E-03	0.00E+00	3.69E-06	0.00E+00	4.64E-03	5.06E-03	4.64E-03	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	5.06E-03
458	ALL	residential	486830.6	3617825	NonCancer	4.69E-03	4.85E-03	0.00E+00	3.72E-06	0.00E+00	4.69E-03	5.05E-03	4.69E-03	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	5.05E-03
575	ALL	residential	486530.6	3618125	NonCancer	4.63E-03	4.79E-03	0.00E+00	3.68E-06	0.00E+00	4.63E-03	5.04E-03	4.63E-03	0.00E+00	0.00E+00	0.00E+00	5.48E-05	0.00E+00	0.00E+00	5.04E-03
1021	ALL	residential	485530.6	3619225	NonCancer	4.66E-03	4.82E-03	0.00E+00	3.70E-06	0.00E+00	4.66E-03	5.03E-03	4.66E-03	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	5.03E-03
50	ALL	residential	487504.5	3617309	NonCancer	4.61E-03	4.78E-03	0.00E+00	3.66E-06	0.00E+00	4.61E-03	5.03E-03	4.61E-03	0.00E+00	0.00E+00	0.00E+00	5.46E-05	0.00E+00	0.00E+00	5.03E-03
379	ALL	residential	487130.6	3617625	NonCancer	4.65E-03	4.81E-03	0.00E+00	3.69E-06	0.00E+00	4.65E-03	5.02E-03	4.65E-03	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	5.02E-03
4	ALL	residential	487554.5	3617251	NonCancer	4.59E-03	4.76E-03	0.00E+00	3.65E-06	0.00E+00	4.60E-03	5.01E-03	4.59E-03	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	5.01E-03
35	ALL	residential	487529.5	3617289	NonCancer	4.57E-03	4.73E-03	0.00E+00	3.63E-06	0.00E+00	4.57E-03	4.99E-03	4.57E-03	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	4.99E-03
81	ALL	residential	487479.5	3617347	NonCancer	4.56E-03	4.72E-03	0.00E+00	3.62E-06	0.00E+00	4.56E-03	4.98E-03	4.56E-03	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	4.98E-03
1023	ALL	residential	485730.6	3619225	NonCancer	4.58E-03	4.74E-03	0.00E+00	3.63E-06	0.00E+00	4.58E-03	4.95E-03	4.58E-03	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	4.95E-03
20	ALL	residential	487554.5	3617270	NonCancer	4.53E-03	4.69E-03	0.00E+00	3.60E-06	0.00E+00	4.53E-03	4.94E-03	4.53E-03	0.00E+00	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	4.94E-03
66	ALL	residential	487504.5	3617328	NonCancer	4.53E-03	4.69E-03	0.00E+00	3.60E-06	0.00E+00	4.53E-03	4.94E-03	4.53E-03	0.00E+00	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	4.94E-03
97	ALL	residential	487474.3	3617363	NonCancer	4.51E-03	4.66E-03	0.00E+00	3.58E-06	0.00E+00	4.51E-03	4.92E-03	4.51E-03	0.00E+00	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00	4.92E-03
963	ALL	residential	485330.6	3619125	NonCancer	4.54E-03	4.70E-03	0.00E+00	3.61E-06	0.00E+00	4.54E-03	4.92E-03	4.54E-03	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	4.92E-03
51	ALL	residential	487529.5	3617309	NonCancer	4.50E-03	4.66E-03	0.00E+00	3.57E-06	0.00E+00	4.50E-03	4.90E-03	4.50E-03	0.00E+00	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00	4.90E-03
5	ALL	residential	487579.5	3617251	NonCancer	4.48E-03	4.64E-03	0.00E+00	3.56E-06	0.00E+00	4.48E-03	4.89E-03	4.48E-03	0.00E+00	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00	4.89E-03
783	ALL	residential	486330.6	3618725	NonCancer	4.47E-03	4.63E-03	0.00E+00	3.55E-06	0.00E+00	4.48E-03	4.88E-03	4.47E-03	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	4.88E-03
36	ALL	residential	487554.5	3617289	NonCancer	4.46E-03	4.62E-03	0.00E+00	3.54E-06	0.00E+00	4.46E-03	4.86E-03	4.46E-03	0.00E+00	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00	4.86E-03
813	ALL	residential	485130.6	3618825	NonCancer	4.46E-03	4.62E-03	0.00E+00	3.54E-06	0.00E+00	4.46E-03	4.86E-03	4.46E-03	0.00E+00	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00	4.86E-03
82	ALL	residential	487504.5	3617347	NonCancer	4.44E-03	4.60E-03	0.00E+00	3.53E-06	0.00E+00	4.44E-03	4.85E-03	4.44E-03	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	4.85E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
21	ALL	residential	487579.5	3617270	NonCancer	4.42E-03	4.58E-03	0.00E+00	3.51E-06	0.00E+00	4.42E-03	4.82E-03	4.42E-03	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	4.82E-03
98	ALL	residential	487492.8	3617363	NonCancer	4.42E-03	4.57E-03	0.00E+00	3.51E-06	0.00E+00	4.42E-03	4.82E-03	4.42E-03	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	4.82E-03
67	ALL	residential	487529.5	3617328	NonCancer	4.42E-03	4.57E-03	0.00E+00	3.51E-06	0.00E+00	4.42E-03	4.82E-03	4.42E-03	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	4.82E-03
107	ALL	residential	487474.3	3617382	NonCancer	4.41E-03	4.57E-03	0.00E+00	3.50E-06	0.00E+00	4.41E-03	4.81E-03	4.41E-03	0.00E+00	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00	4.81E-03
1020	ALL	residential	485430.6	3619225	NonCancer	4.45E-03	4.60E-03	0.00E+00	3.53E-06	0.00E+00	4.45E-03	4.81E-03	4.45E-03	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	4.81E-03
708	ALL	residential	486430.6	3618525	NonCancer	4.39E-03	4.54E-03	0.00E+00	3.48E-06	0.00E+00	4.39E-03	4.81E-03	4.39E-03	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	4.81E-03
52	ALL	residential	487554.5	3617309	NonCancer	4.39E-03	4.54E-03	0.00E+00	3.48E-06	0.00E+00	4.39E-03	4.78E-03	4.39E-03	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	4.78E-03
6	ALL	residential	487604.5	3617251	NonCancer	4.38E-03	4.53E-03	0.00E+00	3.48E-06	0.00E+00	4.38E-03	4.78E-03	4.38E-03	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	4.78E-03
321	ALL	residential	487430.6	3617425	NonCancer	4.39E-03	4.54E-03	0.00E+00	3.49E-06	0.00E+00	4.39E-03	4.77E-03	4.39E-03	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	4.77E-03
908	ALL	residential	485230.6	3619025	NonCancer	4.39E-03	4.54E-03	0.00E+00	3.48E-06	0.00E+00	4.39E-03	4.76E-03	4.39E-03	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	4.76E-03
37	ALL	residential	487579.5	3617289	NonCancer	4.35E-03	4.50E-03	0.00E+00	3.46E-06	0.00E+00	4.35E-03	4.75E-03	4.35E-03	0.00E+00	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00	4.75E-03
418	ALL	residential	487030.6	3617725	NonCancer	4.38E-03	4.54E-03	0.00E+00	3.48E-06	0.00E+00	4.38E-03	4.73E-03	4.38E-03	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	4.73E-03
99	ALL	residential	487511.3	3617363	NonCancer	4.33E-03	4.49E-03	0.00E+00	3.44E-06	0.00E+00	4.33E-03	4.73E-03	4.33E-03	0.00E+00	0.00E+00	0.00E+00	5.13E-05	0.00E+00	0.00E+00	4.73E-03
83	ALL	residential	487529.5	3617347	NonCancer	4.33E-03	4.48E-03	0.00E+00	3.44E-06	0.00E+00	4.33E-03	4.73E-03	4.33E-03	0.00E+00	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	4.73E-03
1024	ALL	residential	485830.6	3619225	NonCancer	4.36E-03	4.51E-03	0.00E+00	3.46E-06	0.00E+00	4.36E-03	4.73E-03	4.36E-03	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	4.73E-03
970	ALL	residential	486030.6	3619125	NonCancer	4.36E-03	4.51E-03	0.00E+00	3.46E-06	0.00E+00	4.36E-03	4.73E-03	4.36E-03	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	4.73E-03
108	ALL	residential	487492.8	3617382	NonCancer	4.33E-03	4.48E-03	0.00E+00	3.43E-06	0.00E+00	4.33E-03	4.71E-03	4.33E-03	0.00E+00	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	4.71E-03
22	ALL	residential	487604.5	3617270	NonCancer	4.31E-03	4.47E-03	0.00E+00	3.43E-06	0.00E+00	4.31E-03	4.71E-03	4.31E-03	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	4.71E-03
117	ALL	residential	487474.3	3617400	NonCancer	4.32E-03	4.47E-03	0.00E+00	3.43E-06	0.00E+00	4.32E-03	4.71E-03	4.32E-03	0.00E+00	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00	4.71E-03
862	ALL	residential	486230.6	3618925	NonCancer	4.32E-03	4.48E-03	0.00E+00	3.43E-06	0.00E+00	4.32E-03	4.70E-03	4.32E-03	0.00E+00	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	4.70E-03
499	ALL	residential	486730.6	3617925	NonCancer	4.34E-03	4.50E-03	0.00E+00	3.45E-06	0.00E+00	4.34E-03	4.70E-03	4.34E-03	0.00E+00	0.00E+00	0.00E+00	5.14E-05	0.00E+00	0.00E+00	4.70E-03
68	ALL	residential	487554.5	3617328	NonCancer	4.31E-03	4.46E-03	0.00E+00	3.42E-06	0.00E+00	4.31E-03	4.70E-03	4.31E-03	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	4.70E-03
53	ALL	residential	487579.5	3617309	NonCancer	4.28E-03	4.43E-03	0.00E+00	3.40E-06	0.00E+00	4.28E-03	4.67E-03	4.28E-03	0.00E+00	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00	4.67E-03
7	ALL	residential	487629.5	3617251	NonCancer	4.27E-03	4.42E-03	0.00E+00	3.39E-06	0.00E+00	4.27E-03	4.67E-03	4.27E-03	0.00E+00	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00	4.67E-03
245	ALL	residential	487730.6	3617025	NonCancer	4.24E-03	4.39E-03	0.00E+00	3.37E-06	0.00E+00	4.24E-03	4.66E-03	4.24E-03	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	4.66E-03
538	ALL	residential	486630.6	3618025	NonCancer	4.28E-03	4.43E-03	0.00E+00	3.40E-06	0.00E+00	4.28E-03	4.65E-03	4.28E-03	0.00E+00	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00	4.65E-03
100	ALL	residential	487529.8	3617363	NonCancer	4.25E-03	4.40E-03	0.00E+00	3.38E-06	0.00E+00	4.25E-03	4.64E-03	4.25E-03	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	4.64E-03
38	ALL	residential	487604.5	3617289	NonCancer	4.25E-03	4.40E-03	0.00E+00	3.37E-06	0.00E+00	4.25E-03	4.63E-03	4.25E-03	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	4.63E-03
109	ALL	residential	487511.3	3617382	NonCancer	4.24E-03	4.39E-03	0.00E+00	3.37E-06	0.00E+00	4.24E-03	4.62E-03	4.24E-03	0.00E+00	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00	4.62E-03
84	ALL	residential	487554.5	3617347	NonCancer	4.22E-03	4.37E-03	0.00E+00	3.35E-06	0.00E+00	4.22E-03	4.61E-03	4.22E-03	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	4.61E-03
118	ALL	residential	487492.8	3617400	NonCancer	4.23E-03	4.38E-03	0.00E+00	3.36E-06	0.00E+00	4.23E-03	4.61E-03	4.23E-03	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	4.61E-03
124	ALL	residential	487474.3	3617419	NonCancer	4.22E-03	4.37E-03	0.00E+00	3.35E-06	0.00E+00	4.22E-03	4.60E-03	4.22E-03	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	4.60E-03
23	ALL	residential	487629.5	3617270	NonCancer	4.21E-03	4.36E-03	0.00E+00	3.34E-06	0.00E+00	4.21E-03	4.60E-03	4.21E-03	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	4.60E-03
69	ALL	residential	487579.5	3617328	NonCancer	4.20E-03	4.35E-03	0.00E+00	3.34E-06	0.00E+00	4.20E-03	4.58E-03	4.20E-03	0.00E+00	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	4.58E-03
101	ALL	residential	487548.3	3617363	NonCancer	4.18E-03	4.32E-03	0.00E+00	3.32E-06	0.00E+00	4.18E-03	4.56E-03	4.18E-03	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	4.56E-03
8	ALL	residential	487654.5	3617251	NonCancer	4.17E-03	4.32E-03	0.00E+00	3.31E-06	0.00E+00	4.17E-03	4.56E-03	4.17E-03	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	4.56E-03
746	ALL	residential	486430.6	3618625	NonCancer	4.16E-03	4.31E-03	0.00E+00	3.30E-06	0.00E+00	4.16E-03	4.56E-03	4.16E-03	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	4.56E-03
54	ALL	residential	487604.5	3617309	NonCancer	4.17E-03	4.32E-03	0.00E+00	3.31E-06	0.00E+00	4.17E-03	4.56E-03	4.17E-03	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	4.56E-03
110	ALL	residential	487529.8	3617382	NonCancer	4.17E-03	4.31E-03	0.00E+00	3.31E-06	0.00E+00	4.17E-03	4.54E-03	4.17E-03	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	4.54E-03
39	ALL	residential	487629.5	3617289	NonCancer	4.14E-03	4.29E-03	0.00E+00	3.29E-06	0.00E+00	4.14E-03	4.52E-03	4.14E-03	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	4.52E-03
119	ALL	residential	487511.3	3617400	NonCancer	4.15E-03	4.30E-03	0.00E+00	3.30E-06	0.00E+00	4.15E-03	4.52E-03	4.15E-03	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	4.52E-03
1025	ALL	residential	485930.6	3619225	NonCancer	4.16E-03	4.31E-03	0.00E+00	3.31E-06	0.00E+00	4.16E-03	4.52E-03	4.16E-03	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	4.52E-03
1080	ALL	residential	485630.6	3619325	NonCancer	4.16E-03	4.31E-03	0.00E+00	3.31E-06	0.00E+00	4.16E-03	4.51E-03	4.16E-03	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	4.51E-03
127	ALL	residential	487473.6	3617435	NonCancer	4.13E-03	4.28E-03	0.00E+00	3.28E-06	0.00E+00	4.13E-03	4.51E-03	4.13E-03	0.00E+00	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00	4.51E-03
125	ALL	residential	487492.8	3617419	NonCancer	4.13E-03	4.28E-03	0.00E+00	3.28E-06	0.00E+00	4.13E-03	4.50E-03	4.13E-03	0.00E+00	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00	4.50E-03
85	ALL	residential	487579.5	3617347	NonCancer	4.12E-03	4.26E-03	0.00E+00	3.27E-06	0.00E+00	4.12E-03	4.50E-03	4.12E-03	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	4.50E-03
1962	ALL	Worker	485000	3618600	NonCancer	4.06E-03	4.21E-03	0.00E+00	3.23E-06	0.00E+00	4.07E-03	4.50E-03	4.06E-03	0.00E+00	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	4.50E-03
821	ALL	residential	486330.6	3618825	NonCancer	4.12E-03	4.27E-03	0.00E+00	3.27E-06	0.00E+00	4.12E-03	4.50E-03	4.12E-03	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	4.50E-03
24	ALL	residential	487654.5	3617270	NonCancer	4.11E-03	4.26E-03	0.00E+00	3.26E-06	0.00E+00	4.11E-03	4.49E-03	4.11E-03	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	4.49E-03
1079	ALL	residential	485530.6	3619325	NonCancer	4.14E-03	4.29E-03	0.00E+00	3.29E-06	0.00E+00	4.14E-03	4.48E-03	4.14E-03	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	4.48E-03
102	ALL	residential	487566.8	3617363	NonCancer	4.10E-03	4.25E-03	0.00E+00	3.26E-06	0.00E+00	4.10E-03	4.48E-03	4.10E-03	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	4.48E-03
70	ALL	residential	487604.5	3617328	NonCancer	4.10E-03	4.24E-03	0.00E+00	3.25E-06	0.00E+00	4.10E-03	4.47E-03	4.10E-03	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	4.47E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
640	ALL	residential	486530.6	3618325	NonCancer	4.07E-03	4.22E-03	0.00E+00	3.23E-06	0.00E+00	4.07E-03	4.47E-03	4.07E-03	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	4.47E-03
111	ALL	residential	487548.3	3617382	NonCancer	4.09E-03	4.23E-03	0.00E+00	3.25E-06	0.00E+00	4.09E-03	4.46E-03	4.09E-03	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	4.46E-03
9	ALL	residential	487679.5	3617251	NonCancer	4.08E-03	4.22E-03	0.00E+00	3.24E-06	0.00E+00	4.08E-03	4.45E-03	4.08E-03	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	4.45E-03
55	ALL	residential	487629.5	3617309	NonCancer	4.07E-03	4.22E-03	0.00E+00	3.23E-06	0.00E+00	4.07E-03	4.45E-03	4.07E-03	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	4.45E-03
120	ALL	residential	487529.8	3617400	NonCancer	4.07E-03	4.22E-03	0.00E+00	3.24E-06	0.00E+00	4.07E-03	4.44E-03	4.07E-03	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	4.44E-03
1019	ALL	residential	485330.6	3619225	NonCancer	4.08E-03	4.23E-03	0.00E+00	3.24E-06	0.00E+00	4.08E-03	4.43E-03	4.08E-03	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	4.43E-03
1081	ALL	residential	485730.6	3619325	NonCancer	4.08E-03	4.22E-03	0.00E+00	3.24E-06	0.00E+00	4.08E-03	4.43E-03	4.08E-03	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	4.43E-03
233	ALL	residential	487830.6	3616925	NonCancer	4.01E-03	4.15E-03	0.00E+00	3.19E-06	0.00E+00	4.01E-03	4.42E-03	4.01E-03	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	4.42E-03
775	ALL	residential	485030.6	3618725	NonCancer	4.01E-03	4.15E-03	0.00E+00	3.19E-06	0.00E+00	4.01E-03	4.42E-03	4.01E-03	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	4.42E-03
126	ALL	residential	487511.3	3617419	NonCancer	4.06E-03	4.20E-03	0.00E+00	3.22E-06	0.00E+00	4.06E-03	4.42E-03	4.06E-03	0.00E+00	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00	4.42E-03
40	ALL	residential	487654.5	3617289	NonCancer	4.05E-03	4.19E-03	0.00E+00	3.21E-06	0.00E+00	4.05E-03	4.42E-03	4.05E-03	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	4.42E-03
459	ALL	residential	486930.6	3617825	NonCancer	4.07E-03	4.22E-03	0.00E+00	3.23E-06	0.00E+00	4.07E-03	4.40E-03	4.07E-03	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	4.40E-03
854	ALL	residential	485130.6	3618925	NonCancer	4.03E-03	4.17E-03	0.00E+00	3.20E-06	0.00E+00	4.03E-03	4.40E-03	4.03E-03	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	4.40E-03
103	ALL	residential	487585.3	3617363	NonCancer	4.03E-03	4.17E-03	0.00E+00	3.20E-06	0.00E+00	4.03E-03	4.40E-03	4.03E-03	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	4.40E-03
86	ALL	residential	487604.5	3617347	NonCancer	4.02E-03	4.16E-03	0.00E+00	3.19E-06	0.00E+00	4.02E-03	4.40E-03	4.02E-03	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	4.40E-03
25	ALL	residential	487679.5	3617270	NonCancer	4.02E-03	4.16E-03	0.00E+00	3.19E-06	0.00E+00	4.02E-03	4.39E-03	4.02E-03	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	4.39E-03
112	ALL	residential	487566.8	3617382	NonCancer	4.02E-03	4.16E-03	0.00E+00	3.19E-06	0.00E+00	4.02E-03	4.38E-03	4.02E-03	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	4.38E-03
246	ALL	residential	487830.6	3617025	NonCancer	3.97E-03	4.12E-03	0.00E+00	3.16E-06	0.00E+00	3.98E-03	4.37E-03	3.97E-03	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	4.37E-03
71	ALL	residential	487629.5	3617328	NonCancer	4.00E-03	4.14E-03	0.00E+00	3.18E-06	0.00E+00	4.00E-03	4.37E-03	4.00E-03	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	4.37E-03
121	ALL	residential	487548.3	3617400	NonCancer	4.00E-03	4.14E-03	0.00E+00	3.18E-06	0.00E+00	4.00E-03	4.36E-03	4.00E-03	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	4.36E-03
10	ALL	residential	487704.5	3617251	NonCancer	3.98E-03	4.12E-03	0.00E+00	3.16E-06	0.00E+00	3.98E-03	4.35E-03	3.98E-03	0.00E+00	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00	4.35E-03
56	ALL	residential	487654.5	3617309	NonCancer	3.98E-03	4.12E-03	0.00E+00	3.16E-06	0.00E+00	3.98E-03	4.34E-03	3.98E-03	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	4.34E-03
917	ALL	residential	486230.6	3619025	NonCancer	3.99E-03	4.13E-03	0.00E+00	3.16E-06	0.00E+00	3.99E-03	4.34E-03	3.99E-03	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	4.34E-03
962	ALL	residential	485230.6	3619125	NonCancer	3.98E-03	4.12E-03	0.00E+00	3.16E-06	0.00E+00	3.98E-03	4.33E-03	3.98E-03	0.00E+00	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00	4.33E-03
104	ALL	residential	487603.8	3617363	NonCancer	3.95E-03	4.09E-03	0.00E+00	3.14E-06	0.00E+00	3.95E-03	4.32E-03	3.95E-03	0.00E+00	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00	4.32E-03
41	ALL	residential	487679.5	3617289	NonCancer	3.95E-03	4.09E-03	0.00E+00	3.14E-06	0.00E+00	3.95E-03	4.31E-03	3.95E-03	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	4.31E-03
1078	ALL	residential	485430.6	3619325	NonCancer	3.97E-03	4.11E-03	0.00E+00	3.15E-06	0.00E+00	3.97E-03	4.31E-03	3.97E-03	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	4.31E-03
113	ALL	residential	487585.3	3617382	NonCancer	3.94E-03	4.08E-03	0.00E+00	3.13E-06	0.00E+00	3.94E-03	4.30E-03	3.94E-03	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	4.30E-03
87	ALL	residential	487629.5	3617347	NonCancer	3.92E-03	4.06E-03	0.00E+00	3.11E-06	0.00E+00	3.92E-03	4.29E-03	3.92E-03	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	4.29E-03
26	ALL	residential	487704.5	3617270	NonCancer	3.92E-03	4.06E-03	0.00E+00	3.11E-06	0.00E+00	3.92E-03	4.29E-03	3.92E-03	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	4.29E-03
122	ALL	residential	487566.8	3617400	NonCancer	3.93E-03	4.07E-03	0.00E+00	3.12E-06	0.00E+00	3.93E-03	4.28E-03	3.93E-03	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00	4.28E-03
674	ALL	residential	486530.6	3618425	NonCancer	3.90E-03	4.03E-03	0.00E+00	3.09E-06	0.00E+00	3.90E-03	4.28E-03	3.90E-03	0.00E+00	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	4.28E-03
784	ALL	residential	486430.6	3618725	NonCancer	3.91E-03	4.05E-03	0.00E+00	3.10E-06	0.00E+00	3.91E-03	4.28E-03	3.91E-03	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	4.28E-03
72	ALL	residential	487654.5	3617328	NonCancer	3.90E-03	4.04E-03	0.00E+00	3.10E-06	0.00E+00	3.90E-03	4.26E-03	3.90E-03	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	4.26E-03
11	ALL	residential	487729.5	3617251	NonCancer	3.89E-03	4.03E-03	0.00E+00	3.09E-06	0.00E+00	3.89E-03	4.25E-03	3.89E-03	0.00E+00	0.00E+00	0.00E+00	4.60E-05	0.00E+00	0.00E+00	4.25E-03
105	ALL	residential	487622.3	3617363	NonCancer	3.88E-03	4.02E-03	0.00E+00	3.08E-06	0.00E+00	3.88E-03	4.24E-03	3.88E-03	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	4.24E-03
57	ALL	residential	487679.5	3617309	NonCancer	3.88E-03	4.02E-03	0.00E+00	3.08E-06	0.00E+00	3.88E-03	4.24E-03	3.88E-03	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	4.24E-03
1971	ALL	Worker	485000	3618700	NonCancer	3.83E-03	3.97E-03	0.00E+00	3.04E-06	0.00E+00	3.83E-03	4.24E-03	3.83E-03	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	4.24E-03
1082	ALL	residential	485830.6	3619325	NonCancer	3.90E-03	4.04E-03	0.00E+00	3.10E-06	0.00E+00	3.90E-03	4.24E-03	3.90E-03	0.00E+00	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	4.24E-03
1026	ALL	residential	486030.6	3619225	NonCancer	3.90E-03	4.04E-03	0.00E+00	3.10E-06	0.00E+00	3.90E-03	4.24E-03	3.90E-03	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	4.24E-03
114	ALL	residential	487603.8	3617382	NonCancer	3.87E-03	4.01E-03	0.00E+00	3.08E-06	0.00E+00	3.87E-03	4.22E-03	3.87E-03	0.00E+00	0.00E+00	0.00E+00	4.58E-05	0.00E+00	0.00E+00	4.22E-03
42	ALL	residential	487704.5	3617289	NonCancer	3.86E-03	3.99E-03	0.00E+00	3.06E-06	0.00E+00	3.86E-03	4.22E-03	3.86E-03	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	4.22E-03
123	ALL	residential	487585.3	3617400	NonCancer	3.86E-03	4.00E-03	0.00E+00	3.06E-06	0.00E+00	3.86E-03	4.21E-03	3.86E-03	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	4.21E-03
27	ALL	residential	487729.5	3617270	NonCancer	3.83E-03	3.97E-03	0.00E+00	3.04E-06	0.00E+00	3.83E-03	4.19E-03	3.83E-03	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	4.19E-03
88	ALL	residential	487654.5	3617347	NonCancer	3.83E-03	3.96E-03	0.00E+00	3.04E-06	0.00E+00	3.83E-03	4.19E-03	3.83E-03	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	4.19E-03
863	ALL	residential	486330.6	3618925	NonCancer	3.82E-03	3.95E-03	0.00E+00	3.03E-06	0.00E+00	3.82E-03	4.17E-03	3.82E-03	0.00E+00	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00	4.17E-03
106	ALL	residential	487640.8	3617363	NonCancer	3.81E-03	3.95E-03	0.00E+00	3.03E-06	0.00E+00	3.81E-03	4.17E-03	3.81E-03	0.00E+00	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00	4.17E-03
73	ALL	residential	487679.5	3617328	NonCancer	3.81E-03	3.94E-03	0.00E+00	3.03E-06	0.00E+00	3.81E-03	4.16E-03	3.81E-03	0.00E+00	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00	4.16E-03
12	ALL	residential	487754.5	3617251	NonCancer	3.80E-03	3.94E-03	0.00E+00	3.02E-06	0.00E+00	3.80E-03	4.16E-03	3.80E-03	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	4.16E-03
115	ALL	residential	487622.3	3617382	NonCancer	3.80E-03	3.94E-03	0.00E+00	3.02E-06	0.00E+00	3.80E-03	4.15E-03	3.80E-03	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	4.15E-03
58	ALL	residential	487704.5	3617309	NonCancer	3.79E-03	3.93E-03	0.00E+00	3.01E-06	0.00E+00	3.79E-03	4.14E-03	3.79E-03	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	4.14E-03
500	ALL	residential	486830.6	3617925	NonCancer	3.80E-03	3.94E-03	0.00E+00	3.02E-06	0.00E+00	3.80E-03	4.13E-03	3.80E-03	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	4.13E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
43	ALL	residential	487729.5	3617289	NonCancer	3.77E-03	3.90E-03	0.00E+00	2.99E-06	0.00E+00	3.77E-03	4.12E-03	3.77E-03	0.00E+00	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00	4.12E-03
234	ALL	residential	487930.6	3616925	NonCancer	3.72E-03	3.85E-03	0.00E+00	2.95E-06	0.00E+00	3.72E-03	4.10E-03	3.72E-03	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	4.10E-03
28	ALL	residential	487754.5	3617270	NonCancer	3.75E-03	3.88E-03	0.00E+00	2.97E-06	0.00E+00	3.75E-03	4.09E-03	3.75E-03	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00	4.09E-03
128	ALL	residential	487656.4	3617366	NonCancer	3.74E-03	3.87E-03	0.00E+00	2.97E-06	0.00E+00	3.74E-03	4.09E-03	3.74E-03	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00	4.09E-03
709	ALL	residential	486530.6	3618525	NonCancer	3.71E-03	3.85E-03	0.00E+00	2.95E-06	0.00E+00	3.72E-03	4.09E-03	3.71E-03	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	4.09E-03
89	ALL	residential	487679.5	3617347	NonCancer	3.74E-03	3.87E-03	0.00E+00	2.97E-06	0.00E+00	3.74E-03	4.08E-03	3.74E-03	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	4.08E-03
116	ALL	residential	487640.8	3617382	NonCancer	3.73E-03	3.87E-03	0.00E+00	2.97E-06	0.00E+00	3.73E-03	4.08E-03	3.73E-03	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	4.08E-03
812	ALL	residential	485030.6	3618825	NonCancer	3.70E-03	3.83E-03	0.00E+00	2.94E-06	0.00E+00	3.70E-03	4.07E-03	3.70E-03	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	4.07E-03
1138	ALL	residential	485630.6	3619425	NonCancer	3.75E-03	3.88E-03	0.00E+00	2.98E-06	0.00E+00	3.75E-03	4.07E-03	3.75E-03	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	4.07E-03
13	ALL	residential	487779.5	3617251	NonCancer	3.72E-03	3.85E-03	0.00E+00	2.95E-06	0.00E+00	3.72E-03	4.07E-03	3.72E-03	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	4.07E-03
1083	ALL	residential	485930.6	3619325	NonCancer	3.74E-03	3.87E-03	0.00E+00	2.97E-06	0.00E+00	3.74E-03	4.07E-03	3.74E-03	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	4.07E-03
74	ALL	residential	487704.5	3617328	NonCancer	3.72E-03	3.85E-03	0.00E+00	2.95E-06	0.00E+00	3.72E-03	4.06E-03	3.72E-03	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	4.06E-03
247	ALL	residential	487930.6	3617025	NonCancer	3.70E-03	3.83E-03	0.00E+00	2.93E-06	0.00E+00	3.70E-03	4.06E-03	3.70E-03	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	4.06E-03
59	ALL	residential	487729.5	3617309	NonCancer	3.70E-03	3.83E-03	0.00E+00	2.94E-06	0.00E+00	3.70E-03	4.05E-03	3.70E-03	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	4.05E-03
907	ALL	residential	485130.6	3619025	NonCancer	3.70E-03	3.83E-03	0.00E+00	2.94E-06	0.00E+00	3.70E-03	4.05E-03	3.70E-03	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	4.05E-03
1137	ALL	residential	485530.6	3619425	NonCancer	3.71E-03	3.84E-03	0.00E+00	2.94E-06	0.00E+00	3.71E-03	4.03E-03	3.71E-03	0.00E+00	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	4.03E-03
44	ALL	residential	487754.5	3617289	NonCancer	3.68E-03	3.81E-03	0.00E+00	2.93E-06	0.00E+00	3.68E-03	4.03E-03	3.68E-03	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	4.03E-03
1077	ALL	residential	485330.6	3619325	NonCancer	3.69E-03	3.82E-03	0.00E+00	2.93E-06	0.00E+00	3.69E-03	4.01E-03	3.69E-03	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	4.01E-03
822	ALL	residential	486430.6	3618825	NonCancer	3.65E-03	3.78E-03	0.00E+00	2.90E-06	0.00E+00	3.65E-03	4.00E-03	3.65E-03	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	4.00E-03
29	ALL	residential	487779.5	3617270	NonCancer	3.66E-03	3.79E-03	0.00E+00	2.91E-06	0.00E+00	3.66E-03	4.00E-03	3.66E-03	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	4.00E-03
90	ALL	residential	487704.5	3617347	NonCancer	3.65E-03	3.78E-03	0.00E+00	2.90E-06	0.00E+00	3.65E-03	3.98E-03	3.65E-03	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	3.98E-03
1139	ALL	residential	485730.6	3619425	NonCancer	3.66E-03	3.79E-03	0.00E+00	2.91E-06	0.00E+00	3.66E-03	3.98E-03	3.66E-03	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	3.98E-03
14	ALL	residential	487804.5	3617251	NonCancer	3.64E-03	3.76E-03	0.00E+00	2.89E-06	0.00E+00	3.64E-03	3.98E-03	3.64E-03	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	3.98E-03
75	ALL	residential	487729.5	3617328	NonCancer	3.63E-03	3.76E-03	0.00E+00	2.89E-06	0.00E+00	3.63E-03	3.97E-03	3.63E-03	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	3.97E-03
971	ALL	residential	486230.6	3619125	NonCancer	3.64E-03	3.77E-03	0.00E+00	2.89E-06	0.00E+00	3.64E-03	3.97E-03	3.64E-03	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	3.97E-03
60	ALL	residential	487754.5	3617309	NonCancer	3.62E-03	3.75E-03	0.00E+00	2.87E-06	0.00E+00	3.62E-03	3.95E-03	3.62E-03	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	3.95E-03
1018	ALL	residential	485230.6	3619225	NonCancer	3.62E-03	3.75E-03	0.00E+00	2.88E-06	0.00E+00	3.63E-03	3.95E-03	3.62E-03	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	3.95E-03
45	ALL	residential	487779.5	3617289	NonCancer	3.60E-03	3.73E-03	0.00E+00	2.86E-06	0.00E+00	3.60E-03	3.94E-03	3.60E-03	0.00E+00	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00	3.94E-03
747	ALL	residential	486530.6	3618625	NonCancer	3.56E-03	3.69E-03	0.00E+00	2.83E-06	0.00E+00	3.56E-03	3.92E-03	3.56E-03	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	3.92E-03
30	ALL	residential	487804.5	3617270	NonCancer	3.58E-03	3.71E-03	0.00E+00	2.84E-06	0.00E+00	3.58E-03	3.92E-03	3.58E-03	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	3.92E-03
224	ALL	residential	488030.6	3616825	NonCancer	3.52E-03	3.65E-03	0.00E+00	2.80E-06	0.00E+00	3.52E-03	3.90E-03	3.52E-03	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	3.90E-03
91	ALL	residential	487729.5	3617347	NonCancer	3.56E-03	3.69E-03	0.00E+00	2.83E-06	0.00E+00	3.56E-03	3.89E-03	3.56E-03	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	3.89E-03
15	ALL	residential	487829.5	3617251	NonCancer	3.56E-03	3.68E-03	0.00E+00	2.82E-06	0.00E+00	3.56E-03	3.89E-03	3.56E-03	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	3.89E-03
1136	ALL	residential	485430.6	3619425	NonCancer	3.57E-03	3.70E-03	0.00E+00	2.84E-06	0.00E+00	3.57E-03	3.88E-03	3.57E-03	0.00E+00	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00	3.88E-03
76	ALL	residential	487754.5	3617328	NonCancer	3.55E-03	3.68E-03	0.00E+00	2.82E-06	0.00E+00	3.55E-03	3.88E-03	3.55E-03	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	3.88E-03
918	ALL	residential	486330.6	3619025	NonCancer	3.55E-03	3.68E-03	0.00E+00	2.82E-06	0.00E+00	3.55E-03	3.88E-03	3.55E-03	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	3.88E-03
61	ALL	residential	487779.5	3617309	NonCancer	3.54E-03	3.66E-03	0.00E+00	2.81E-06	0.00E+00	3.54E-03	3.87E-03	3.54E-03	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	3.87E-03
46	ALL	residential	487804.5	3617289	NonCancer	3.52E-03	3.64E-03	0.00E+00	2.79E-06	0.00E+00	3.52E-03	3.85E-03	3.52E-03	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	3.85E-03
1140	ALL	residential	485830.6	3619425	NonCancer	3.53E-03	3.66E-03	0.00E+00	2.80E-06	0.00E+00	3.53E-03	3.85E-03	3.53E-03	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	3.85E-03
1084	ALL	residential	486030.6	3619325	NonCancer	3.53E-03	3.65E-03	0.00E+00	2.80E-06	0.00E+00	3.53E-03	3.84E-03	3.53E-03	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	3.84E-03
31	ALL	residential	487829.5	3617270	NonCancer	3.50E-03	3.62E-03	0.00E+00	2.78E-06	0.00E+00	3.50E-03	3.83E-03	3.50E-03	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	3.83E-03
235	ALL	residential	488030.6	3616925	NonCancer	3.46E-03	3.58E-03	0.00E+00	2.74E-06	0.00E+00	3.46E-03	3.82E-03	3.46E-03	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	3.82E-03
16	ALL	residential	487854.5	3617251	NonCancer	3.48E-03	3.60E-03	0.00E+00	2.76E-06	0.00E+00	3.48E-03	3.81E-03	3.48E-03	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	3.81E-03
92	ALL	residential	487754.5	3617347	NonCancer	3.48E-03	3.60E-03	0.00E+00	2.77E-06	0.00E+00	3.48E-03	3.80E-03	3.48E-03	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	3.80E-03
77	ALL	residential	487779.5	3617328	NonCancer	3.47E-03	3.59E-03	0.00E+00	2.76E-06	0.00E+00	3.47E-03	3.79E-03	3.47E-03	0.00E+00	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00	3.79E-03
62	ALL	residential	487804.5	3617309	NonCancer	3.46E-03	3.58E-03	0.00E+00	2.75E-06	0.00E+00	3.46E-03	3.78E-03	3.46E-03	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	3.78E-03
641	ALL	residential	486630.6	3618325	NonCancer	3.43E-03	3.55E-03	0.00E+00	2.72E-06	0.00E+00	3.43E-03	3.78E-03	3.43E-03	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	3.78E-03
47	ALL	residential	487829.5	3617289	NonCancer	3.44E-03	3.56E-03	0.00E+00	2.73E-06	0.00E+00	3.44E-03	3.77E-03	3.44E-03	0.00E+00	0.00E+00	0.00E+00	4.07E-05	0.00E+00	0.00E+00	3.77E-03
248	ALL	residential	488030.6	3617025	NonCancer	3.42E-03	3.54E-03	0.00E+00	2.72E-06	0.00E+00	3.42E-03	3.76E-03	3.42E-03	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	3.76E-03
32	ALL	residential	487854.5	3617270	NonCancer	3.42E-03	3.54E-03	0.00E+00	2.72E-06	0.00E+00	3.42E-03	3.75E-03	3.42E-03	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	3.75E-03
864	ALL	residential	486430.6	3618925	NonCancer	3.41E-03	3.54E-03	0.00E+00	2.71E-06	0.00E+00	3.42E-03	3.74E-03	3.41E-03	0.00E+00	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00	3.74E-03
785	ALL	residential	486530.6	3618725	NonCancer	3.40E-03	3.52E-03	0.00E+00	2.70E-06	0.00E+00	3.40E-03	3.74E-03	3.40E-03	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	3.74E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
961	ALL	residential	485130.6	3619125	NonCancer	3.40E-03	3.52E-03	0.00E+00	2.70E-06	0.00E+00	3.40E-03	3.73E-03	3.40E-03	0.00E+00	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	3.73E-03
1961	ALL	Worker	484900	3618600	NonCancer	3.30E-03	3.42E-03	0.00E+00	2.62E-06	0.00E+00	3.30E-03	3.72E-03	3.30E-03	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	3.72E-03
93	ALL	residential	487779.5	3617347	NonCancer	3.40E-03	3.52E-03	0.00E+00	2.70E-06	0.00E+00	3.40E-03	3.72E-03	3.40E-03	0.00E+00	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	3.72E-03
78	ALL	residential	487804.5	3617328	NonCancer	3.39E-03	3.51E-03	0.00E+00	2.69E-06	0.00E+00	3.39E-03	3.71E-03	3.39E-03	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	3.71E-03
419	ALL	residential	487230.6	3617725	NonCancer	3.41E-03	3.53E-03	0.00E+00	2.71E-06	0.00E+00	3.41E-03	3.70E-03	3.41E-03	0.00E+00	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	3.70E-03
63	ALL	residential	487829.5	3617309	NonCancer	3.38E-03	3.50E-03	0.00E+00	2.68E-06	0.00E+00	3.38E-03	3.70E-03	3.38E-03	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00	3.70E-03
853	ALL	residential	485030.6	3618925	NonCancer	3.34E-03	3.46E-03	0.00E+00	2.66E-06	0.00E+00	3.35E-03	3.70E-03	3.34E-03	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	3.70E-03
211	ALL	residential	488130.6	3616725	NonCancer	3.33E-03	3.45E-03	0.00E+00	2.65E-06	0.00E+00	3.33E-03	3.69E-03	3.33E-03	0.00E+00	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	3.69E-03
1141	ALL	residential	485930.6	3619425	NonCancer	3.38E-03	3.50E-03	0.00E+00	2.69E-06	0.00E+00	3.38E-03	3.69E-03	3.38E-03	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00	3.69E-03
48	ALL	residential	487854.5	3617289	NonCancer	3.37E-03	3.48E-03	0.00E+00	2.67E-06	0.00E+00	3.37E-03	3.68E-03	3.37E-03	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	3.68E-03
1193	ALL	residential	485630.6	3619525	NonCancer	3.37E-03	3.49E-03	0.00E+00	2.68E-06	0.00E+00	3.37E-03	3.68E-03	3.37E-03	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	3.68E-03
1027	ALL	residential	486230.6	3619225	NonCancer	3.35E-03	3.47E-03	0.00E+00	2.66E-06	0.00E+00	3.35E-03	3.66E-03	3.35E-03	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	3.66E-03
675	ALL	residential	486630.6	3618425	NonCancer	3.30E-03	3.42E-03	0.00E+00	2.62E-06	0.00E+00	3.30E-03	3.64E-03	3.30E-03	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	3.64E-03
225	ALL	residential	488130.6	3616825	NonCancer	3.29E-03	3.41E-03	0.00E+00	2.61E-06	0.00E+00	3.29E-03	3.64E-03	3.29E-03	0.00E+00	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	3.64E-03
94	ALL	residential	487804.5	3617347	NonCancer	3.33E-03	3.44E-03	0.00E+00	2.64E-06	0.00E+00	3.33E-03	3.64E-03	3.33E-03	0.00E+00	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	3.64E-03
1192	ALL	residential	485530.6	3619525	NonCancer	3.34E-03	3.45E-03	0.00E+00	2.65E-06	0.00E+00	3.34E-03	3.63E-03	3.34E-03	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	3.63E-03
236	ALL	residential	488130.6	3616925	NonCancer	3.29E-03	3.41E-03	0.00E+00	2.61E-06	0.00E+00	3.29E-03	3.63E-03	3.29E-03	0.00E+00	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	3.63E-03
1135	ALL	residential	485330.6	3619425	NonCancer	3.33E-03	3.45E-03	0.00E+00	2.64E-06	0.00E+00	3.33E-03	3.63E-03	3.33E-03	0.00E+00	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	3.63E-03
79	ALL	residential	487829.5	3617328	NonCancer	3.32E-03	3.43E-03	0.00E+00	2.63E-06	0.00E+00	3.32E-03	3.63E-03	3.32E-03	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	3.63E-03
1194	ALL	residential	485730.6	3619525	NonCancer	3.33E-03	3.44E-03	0.00E+00	2.64E-06	0.00E+00	3.33E-03	3.63E-03	3.33E-03	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	3.63E-03
972	ALL	residential	486330.6	3619125	NonCancer	3.31E-03	3.43E-03	0.00E+00	2.63E-06	0.00E+00	3.31E-03	3.62E-03	3.31E-03	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	3.62E-03
64	ALL	residential	487854.5	3617309	NonCancer	3.31E-03	3.42E-03	0.00E+00	2.63E-06	0.00E+00	3.31E-03	3.62E-03	3.31E-03	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	3.62E-03
1076	ALL	residential	485230.6	3619325	NonCancer	3.31E-03	3.43E-03	0.00E+00	2.63E-06	0.00E+00	3.31E-03	3.62E-03	3.31E-03	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	3.62E-03
167	ALL	residential	485230.6	3615825	NonCancer	3.31E-03	3.43E-03	0.00E+00	2.63E-06	0.00E+00	3.31E-03	3.57E-03	3.31E-03	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	3.57E-03
95	ALL	residential	487829.5	3617347	NonCancer	3.25E-03	3.37E-03	0.00E+00	2.58E-06	0.00E+00	3.25E-03	3.56E-03	3.25E-03	0.00E+00	0.00E+00	0.00E+00	3.85E-05	0.00E+00	0.00E+00	3.56E-03
823	ALL	residential	486530.6	3618825	NonCancer	3.23E-03	3.34E-03	0.00E+00	2.56E-06	0.00E+00	3.23E-03	3.55E-03	3.23E-03	0.00E+00	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00	3.55E-03
80	ALL	residential	487854.5	3617328	NonCancer	3.24E-03	3.36E-03	0.00E+00	2.58E-06	0.00E+00	3.24E-03	3.55E-03	3.24E-03	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	3.55E-03
380	ALL	residential	487430.6	3617625	NonCancer	3.24E-03	3.36E-03	0.00E+00	2.57E-06	0.00E+00	3.24E-03	3.53E-03	3.24E-03	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	3.53E-03
166	ALL	residential	485330.6	3615725	NonCancer	3.27E-03	3.38E-03	0.00E+00	2.59E-06	0.00E+00	3.27E-03	3.53E-03	3.27E-03	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	3.53E-03
710	ALL	residential	486630.6	3618525	NonCancer	3.19E-03	3.30E-03	0.00E+00	2.53E-06	0.00E+00	3.19E-03	3.52E-03	3.19E-03	0.00E+00	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00	3.52E-03
1970	ALL	Worker	484900	3618700	NonCancer	3.12E-03	3.23E-03	0.00E+00	2.48E-06	0.00E+00	3.12E-03	3.51E-03	3.12E-03	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	3.51E-03
1195	ALL	residential	485830.6	3619525	NonCancer	3.22E-03	3.33E-03	0.00E+00	2.55E-06	0.00E+00	3.22E-03	3.51E-03	3.22E-03	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	3.51E-03
1191	ALL	residential	485430.6	3619525	NonCancer	3.22E-03	3.33E-03	0.00E+00	2.56E-06	0.00E+00	3.22E-03	3.51E-03	3.22E-03	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	3.51E-03
1142	ALL	residential	486030.6	3619425	NonCancer	3.21E-03	3.33E-03	0.00E+00	2.55E-06	0.00E+00	3.21E-03	3.51E-03	3.21E-03	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	3.51E-03
919	ALL	residential	486430.6	3619025	NonCancer	3.19E-03	3.30E-03	0.00E+00	2.53E-06	0.00E+00	3.19E-03	3.50E-03	3.19E-03	0.00E+00	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00	3.50E-03
249	ALL	residential	488130.6	3617025	NonCancer	3.17E-03	3.28E-03	0.00E+00	2.52E-06	0.00E+00	3.17E-03	3.50E-03	3.17E-03	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	3.50E-03
201	ALL	residential	488230.6	3616625	NonCancer	3.15E-03	3.26E-03	0.00E+00	2.50E-06	0.00E+00	3.15E-03	3.49E-03	3.15E-03	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	3.49E-03
96	ALL	residential	487854.5	3617347	NonCancer	3.18E-03	3.29E-03	0.00E+00	2.53E-06	0.00E+00	3.18E-03	3.48E-03	3.18E-03	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	3.48E-03
212	ALL	residential	488230.6	3616725	NonCancer	3.13E-03	3.24E-03	0.00E+00	2.48E-06	0.00E+00	3.13E-03	3.47E-03	3.13E-03	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	3.47E-03
373	ALL	residential	484430.6	3617625	NonCancer	3.08E-03	3.19E-03	0.00E+00	2.45E-06	0.00E+00	3.08E-03	3.46E-03	3.08E-03	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	3.46E-03
226	ALL	residential	488230.6	3616825	NonCancer	3.13E-03	3.24E-03	0.00E+00	2.49E-06	0.00E+00	3.13E-03	3.46E-03	3.13E-03	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	3.46E-03
1017	ALL	residential	485130.6	3619225	NonCancer	3.14E-03	3.25E-03	0.00E+00	2.50E-06	0.00E+00	3.14E-03	3.45E-03	3.14E-03	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	3.45E-03
460	ALL	residential	487130.6	3617825	NonCancer	3.17E-03	3.28E-03	0.00E+00	2.52E-06	0.00E+00	3.17E-03	3.45E-03	3.17E-03	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	3.45E-03
315	ALL	residential	484530.6	3617425	NonCancer	3.10E-03	3.21E-03	0.00E+00	2.46E-06	0.00E+00	3.10E-03	3.44E-03	3.10E-03	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	3.44E-03
163	ALL	residential	485430.6	3615625	NonCancer	3.18E-03	3.29E-03	0.00E+00	2.53E-06	0.00E+00	3.18E-03	3.44E-03	3.18E-03	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	3.44E-03
811	ALL	residential	484930.6	3618825	NonCancer	3.07E-03	3.18E-03	0.00E+00	2.44E-06	0.00E+00	3.07E-03	3.43E-03	3.07E-03	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	3.43E-03
906	ALL	residential	485030.6	3619025	NonCancer	3.09E-03	3.20E-03	0.00E+00	2.46E-06	0.00E+00	3.09E-03	3.42E-03	3.09E-03	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00	3.42E-03
610	ALL	residential	486730.6	3618225	NonCancer	3.10E-03	3.21E-03	0.00E+00	2.46E-06	0.00E+00	3.10E-03	3.41E-03	3.10E-03	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	3.41E-03
346	ALL	residential	487630.6	3617525	NonCancer	3.13E-03	3.24E-03	0.00E+00	2.48E-06	0.00E+00	3.13E-03	3.41E-03	3.13E-03	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	3.41E-03
237	ALL	residential	488230.6	3616925	NonCancer	3.07E-03	3.18E-03	0.00E+00	2.44E-06	0.00E+00	3.07E-03	3.39E-03	3.07E-03	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	3.39E-03
748	ALL	residential	486630.6	3618625	NonCancer	3.07E-03	3.18E-03	0.00E+00	2.44E-06	0.00E+00	3.07E-03	3.39E-03	3.07E-03	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	3.39E-03
1028	ALL	residential	486330.6	3619225	NonCancer	3.09E-03	3.20E-03	0.00E+00	2.46E-06	0.00E+00	3.09E-03	3.38E-03	3.09E-03	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00	3.38E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1196	ALL	residential	485930.6	3619525	NonCancer	3.08E-03	3.19E-03	0.00E+00	2.45E-06	0.00E+00	3.08E-03	3.37E-03	3.08E-03	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	3.37E-03
165	ALL	residential	485230.6	3615725	NonCancer	3.12E-03	3.23E-03	0.00E+00	2.47E-06	0.00E+00	3.12E-03	3.37E-03	3.12E-03	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	3.37E-03
1085	ALL	residential	486230.6	3619325	NonCancer	3.08E-03	3.19E-03	0.00E+00	2.45E-06	0.00E+00	3.08E-03	3.37E-03	3.08E-03	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	3.37E-03
865	ALL	residential	486530.6	3618925	NonCancer	3.06E-03	3.16E-03	0.00E+00	2.43E-06	0.00E+00	3.06E-03	3.36E-03	3.06E-03	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	3.36E-03
1234	ALL	residential	485630.6	3619625	NonCancer	3.07E-03	3.18E-03	0.00E+00	2.44E-06	0.00E+00	3.07E-03	3.35E-03	3.07E-03	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	3.35E-03
202	ALL	residential	488330.6	3616625	NonCancer	3.02E-03	3.13E-03	0.00E+00	2.40E-06	0.00E+00	3.02E-03	3.35E-03	3.02E-03	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	3.35E-03
297	ALL	residential	487930.6	3617325	NonCancer	3.04E-03	3.15E-03	0.00E+00	2.42E-06	0.00E+00	3.05E-03	3.34E-03	3.04E-03	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	3.34E-03
1979	ALL	Worker	484900	3618800	NonCancer	2.95E-03	3.06E-03	0.00E+00	2.34E-06	0.00E+00	2.95E-03	3.32E-03	2.95E-03	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	3.32E-03
1134	ALL	residential	485230.6	3619425	NonCancer	3.03E-03	3.14E-03	0.00E+00	2.41E-06	0.00E+00	3.03E-03	3.32E-03	3.03E-03	0.00E+00	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00	3.32E-03
213	ALL	residential	488330.6	3616725	NonCancer	3.00E-03	3.10E-03	0.00E+00	2.38E-06	0.00E+00	3.00E-03	3.32E-03	3.00E-03	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	3.32E-03
162	ALL	residential	485330.6	3615625	NonCancer	3.07E-03	3.18E-03	0.00E+00	2.44E-06	0.00E+00	3.07E-03	3.32E-03	3.07E-03	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	3.32E-03
1233	ALL	residential	485530.6	3619625	NonCancer	3.04E-03	3.14E-03	0.00E+00	2.41E-06	0.00E+00	3.04E-03	3.32E-03	3.04E-03	0.00E+00	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00	3.32E-03
1235	ALL	residential	485730.6	3619625	NonCancer	3.03E-03	3.14E-03	0.00E+00	2.41E-06	0.00E+00	3.04E-03	3.32E-03	3.03E-03	0.00E+00	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00	3.32E-03
420	ALL	residential	487330.6	3617725	NonCancer	3.04E-03	3.15E-03	0.00E+00	2.42E-06	0.00E+00	3.04E-03	3.31E-03	3.04E-03	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	3.31E-03
158	ALL	residential	485530.6	3615525	NonCancer	3.06E-03	3.17E-03	0.00E+00	2.43E-06	0.00E+00	3.06E-03	3.31E-03	3.06E-03	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	3.31E-03
1190	ALL	residential	485330.6	3619525	NonCancer	3.03E-03	3.13E-03	0.00E+00	2.40E-06	0.00E+00	3.03E-03	3.31E-03	3.03E-03	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	3.31E-03
192	ALL	residential	488330.6	3616525	NonCancer	2.97E-03	3.08E-03	0.00E+00	2.36E-06	0.00E+00	2.97E-03	3.30E-03	2.97E-03	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	3.30E-03
973	ALL	residential	486430.6	3619125	NonCancer	3.00E-03	3.11E-03	0.00E+00	2.38E-06	0.00E+00	3.00E-03	3.29E-03	3.00E-03	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	3.29E-03
227	ALL	residential	488330.6	3616825	NonCancer	2.96E-03	3.06E-03	0.00E+00	2.35E-06	0.00E+00	2.96E-03	3.27E-03	2.96E-03	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	3.27E-03
250	ALL	residential	488230.6	3617025	NonCancer	2.97E-03	3.07E-03	0.00E+00	2.36E-06	0.00E+00	2.97E-03	3.27E-03	2.97E-03	0.00E+00	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	3.27E-03
786	ALL	residential	486630.6	3618725	NonCancer	2.96E-03	3.06E-03	0.00E+00	2.35E-06	0.00E+00	2.96E-03	3.27E-03	2.96E-03	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	3.27E-03
411	ALL	Industrial	484330.6	3617725	NonCancer	2.87E-03	2.97E-03	0.00E+00	2.28E-06	0.00E+00	2.87E-03	3.26E-03	2.87E-03	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	3.26E-03
642	ALL	residential	486730.6	3618325	NonCancer	2.95E-03	3.05E-03	0.00E+00	2.34E-06	0.00E+00	2.95E-03	3.25E-03	2.95E-03	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	3.25E-03
339	ALL	residential	484430.6	3617525	NonCancer	2.90E-03	3.00E-03	0.00E+00	2.30E-06	0.00E+00	2.90E-03	3.24E-03	2.90E-03	0.00E+00	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	3.24E-03
157	ALL	residential	485430.6	3615525	NonCancer	2.98E-03	3.09E-03	0.00E+00	2.37E-06	0.00E+00	2.98E-03	3.23E-03	2.98E-03	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	3.23E-03
1197	ALL	residential	486030.6	3619525	NonCancer	2.95E-03	3.05E-03	0.00E+00	2.34E-06	0.00E+00	2.95E-03	3.22E-03	2.95E-03	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	3.22E-03
1236	ALL	residential	485830.6	3619625	NonCancer	2.95E-03	3.05E-03	0.00E+00	2.34E-06	0.00E+00	2.95E-03	3.22E-03	2.95E-03	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	3.22E-03
852	ALL	residential	484930.6	3618925	NonCancer	2.86E-03	2.97E-03	0.00E+00	2.28E-06	0.00E+00	2.86E-03	3.20E-03	2.86E-03	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	3.20E-03
1960	ALL	Worker	484800	3618600	NonCancer	2.78E-03	2.87E-03	0.00E+00	2.21E-06	0.00E+00	2.78E-03	3.20E-03	2.78E-03	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	3.20E-03
381	ALL	residential	487530.6	3617625	NonCancer	2.93E-03	3.04E-03	0.00E+00	2.33E-06	0.00E+00	2.93E-03	3.20E-03	2.93E-03	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	3.20E-03
1232	ALL	residential	485430.6	3619625	NonCancer	2.93E-03	3.03E-03	0.00E+00	2.32E-06	0.00E+00	2.93E-03	3.20E-03	2.93E-03	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	3.20E-03
203	ALL	residential	488430.6	3616625	NonCancer	2.88E-03	2.99E-03	0.00E+00	2.29E-06	0.00E+00	2.89E-03	3.20E-03	2.88E-03	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	3.20E-03
960	ALL	residential	485030.6	3619125	NonCancer	2.89E-03	2.99E-03	0.00E+00	2.29E-06	0.00E+00	2.89E-03	3.20E-03	2.89E-03	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	3.20E-03
501	ALL	residential	487030.6	3617925	NonCancer	2.93E-03	3.03E-03	0.00E+00	2.32E-06	0.00E+00	2.93E-03	3.19E-03	2.93E-03	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	3.19E-03
1075	ALL	residential	485130.6	3619325	NonCancer	2.91E-03	3.01E-03	0.00E+00	2.31E-06	0.00E+00	2.91E-03	3.19E-03	2.91E-03	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	3.19E-03
238	ALL	residential	488330.6	3616925	NonCancer	2.89E-03	2.99E-03	0.00E+00	2.30E-06	0.00E+00	2.89E-03	3.19E-03	2.89E-03	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	3.19E-03
193	ALL	residential	488430.6	3616525	NonCancer	2.87E-03	2.97E-03	0.00E+00	2.28E-06	0.00E+00	2.87E-03	3.18E-03	2.87E-03	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	3.18E-03
161	ALL	residential	485230.6	3615625	NonCancer	2.93E-03	3.03E-03	0.00E+00	2.32E-06	0.00E+00	2.93E-03	3.17E-03	2.93E-03	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	3.17E-03
164	ALL	residential	485130.6	3615725	NonCancer	2.92E-03	3.03E-03	0.00E+00	2.32E-06	0.00E+00	2.92E-03	3.17E-03	2.92E-03	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	3.17E-03
920	ALL	residential	486530.6	3619025	NonCancer	2.88E-03	2.98E-03	0.00E+00	2.28E-06	0.00E+00	2.88E-03	3.16E-03	2.88E-03	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	3.16E-03
576	ALL	residential	486830.6	3618125	NonCancer	2.87E-03	2.97E-03	0.00E+00	2.28E-06	0.00E+00	2.87E-03	3.16E-03	2.87E-03	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	3.16E-03
214	ALL	residential	488430.6	3616725	NonCancer	2.85E-03	2.95E-03	0.00E+00	2.26E-06	0.00E+00	2.85E-03	3.16E-03	2.85E-03	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	3.16E-03
1086	ALL	residential	486330.6	3619325	NonCancer	2.88E-03	2.98E-03	0.00E+00	2.29E-06	0.00E+00	2.88E-03	3.15E-03	2.88E-03	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	3.15E-03
676	ALL	residential	486730.6	3618425	NonCancer	2.84E-03	2.94E-03	0.00E+00	2.25E-06	0.00E+00	2.84E-03	3.14E-03	2.84E-03	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	3.14E-03
824	ALL	residential	486630.6	3618825	NonCancer	2.84E-03	2.94E-03	0.00E+00	2.25E-06	0.00E+00	2.84E-03	3.14E-03	2.84E-03	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	3.14E-03
347	ALL	residential	487730.6	3617525	NonCancer	2.85E-03	2.96E-03	0.00E+00	2.27E-06	0.00E+00	2.85E-03	3.12E-03	2.85E-03	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	3.12E-03
156	ALL	residential	485330.6	3615525	NonCancer	2.88E-03	2.98E-03	0.00E+00	2.29E-06	0.00E+00	2.88E-03	3.12E-03	2.88E-03	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	3.12E-03
1143	ALL	residential	486230.6	3619425	NonCancer	2.85E-03	2.95E-03	0.00E+00	2.27E-06	0.00E+00	2.85E-03	3.12E-03	2.85E-03	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	3.12E-03
154	ALL	residential	485530.6	3615425	NonCancer	2.87E-03	2.97E-03	0.00E+00	2.28E-06	0.00E+00	2.87E-03	3.11E-03	2.87E-03	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	3.11E-03
1237	ALL	residential	485930.6	3619625	NonCancer	2.83E-03	2.93E-03	0.00E+00	2.25E-06	0.00E+00	2.83E-03	3.10E-03	2.83E-03	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	3.10E-03
228	ALL	residential	488430.6	3616825	NonCancer	2.80E-03	2.90E-03	0.00E+00	2.22E-06	0.00E+00	2.80E-03	3.10E-03	2.80E-03	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	3.10E-03
1029	ALL	residential	486430.6	3619225	NonCancer	2.81E-03	2.91E-03	0.00E+00	2.23E-06	0.00E+00	2.81E-03	3.08E-03	2.81E-03	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	3.08E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
372	ALL	residential	484330.6	3617625	NonCancer	2.73E-03	2.82E-03	0.00E+00	2.17E-06	0.00E+00	2.73E-03	3.08E-03	2.73E-03	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	3.08E-03
539	ALL	residential	486930.6	3618025	NonCancer	2.81E-03	2.91E-03	0.00E+00	2.23E-06	0.00E+00	2.81E-03	3.08E-03	2.81E-03	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	3.08E-03
1275	ALL	residential	485630.6	3619725	NonCancer	2.81E-03	2.91E-03	0.00E+00	2.23E-06	0.00E+00	2.81E-03	3.08E-03	2.81E-03	0.00E+00	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	3.08E-03
461	ALL	residential	487230.6	3617825	NonCancer	2.82E-03	2.92E-03	0.00E+00	2.24E-06	0.00E+00	2.82E-03	3.07E-03	2.82E-03	0.00E+00	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	3.07E-03
298	ALL	residential	488030.6	3617325	NonCancer	2.80E-03	2.90E-03	0.00E+00	2.22E-06	0.00E+00	2.80E-03	3.07E-03	2.80E-03	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	3.07E-03
711	ALL	residential	486730.6	3618525	NonCancer	2.77E-03	2.86E-03	0.00E+00	2.20E-06	0.00E+00	2.77E-03	3.06E-03	2.77E-03	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	3.06E-03
1198	ALL	residential	486130.6	3619525	NonCancer	2.79E-03	2.89E-03	0.00E+00	2.21E-06	0.00E+00	2.79E-03	3.05E-03	2.79E-03	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	3.05E-03
1274	ALL	residential	485530.6	3619725	NonCancer	2.79E-03	2.89E-03	0.00E+00	2.22E-06	0.00E+00	2.79E-03	3.05E-03	2.79E-03	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	3.05E-03
251	ALL	residential	488330.6	3617025	NonCancer	2.77E-03	2.86E-03	0.00E+00	2.20E-06	0.00E+00	2.77E-03	3.05E-03	2.77E-03	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	3.05E-03
1276	ALL	residential	485730.6	3619725	NonCancer	2.78E-03	2.88E-03	0.00E+00	2.21E-06	0.00E+00	2.78E-03	3.04E-03	2.78E-03	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	3.04E-03
194	ALL	residential	488530.6	3616525	NonCancer	2.75E-03	2.84E-03	0.00E+00	2.18E-06	0.00E+00	2.75E-03	3.04E-03	2.75E-03	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	3.04E-03
1189	ALL	residential	485230.6	3619525	NonCancer	2.77E-03	2.87E-03	0.00E+00	2.20E-06	0.00E+00	2.77E-03	3.04E-03	2.77E-03	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	3.04E-03
153	ALL	residential	485430.6	3615425	NonCancer	2.80E-03	2.90E-03	0.00E+00	2.22E-06	0.00E+00	2.80E-03	3.03E-03	2.80E-03	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	3.03E-03
185	ALL	residential	488530.6	3616425	NonCancer	2.73E-03	2.82E-03	0.00E+00	2.17E-06	0.00E+00	2.73E-03	3.03E-03	2.73E-03	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	3.03E-03
453	ALL	residential	484230.6	3617825	NonCancer	2.63E-03	2.73E-03	0.00E+00	2.09E-06	0.00E+00	2.63E-03	3.03E-03	2.63E-03	0.00E+00	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	3.03E-03
204	ALL	residential	488530.6	3616625	NonCancer	2.73E-03	2.83E-03	0.00E+00	2.17E-06	0.00E+00	2.73E-03	3.03E-03	2.73E-03	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	3.03E-03
866	ALL	residential	486630.6	3618925	NonCancer	2.74E-03	2.83E-03	0.00E+00	2.17E-06	0.00E+00	2.74E-03	3.02E-03	2.74E-03	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	3.02E-03
1231	ALL	residential	485330.6	3619625	NonCancer	2.75E-03	2.85E-03	0.00E+00	2.18E-06	0.00E+00	2.75E-03	3.01E-03	2.75E-03	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	3.01E-03
1969	ALL	Worker	484800	3618700	NonCancer	2.60E-03	2.69E-03	0.00E+00	2.07E-06	0.00E+00	2.60E-03	3.00E-03	2.60E-03	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	3.00E-03
239	ALL	residential	488430.6	3616925	NonCancer	2.71E-03	2.81E-03	0.00E+00	2.15E-06	0.00E+00	2.71E-03	2.99E-03	2.71E-03	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	2.99E-03
160	ALL	residential	485130.6	3615625	NonCancer	2.76E-03	2.86E-03	0.00E+00	2.19E-06	0.00E+00	2.76E-03	2.99E-03	2.76E-03	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	2.99E-03
974	ALL	residential	486530.6	3619125	NonCancer	2.72E-03	2.82E-03	0.00E+00	2.16E-06	0.00E+00	2.72E-03	2.99E-03	2.72E-03	0.00E+00	0.00E+00	0.00E+00	3.22E-05	0.00E+00	0.00E+00	2.99E-03
155	ALL	residential	485230.6	3615525	NonCancer	2.76E-03	2.85E-03	0.00E+00	2.19E-06	0.00E+00	2.76E-03	2.99E-03	2.76E-03	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	2.99E-03
215	ALL	residential	488530.6	3616725	NonCancer	2.70E-03	2.79E-03	0.00E+00	2.14E-06	0.00E+00	2.70E-03	2.99E-03	2.70E-03	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	2.99E-03
749	ALL	residential	486730.6	3618625	NonCancer	2.69E-03	2.78E-03	0.00E+00	2.14E-06	0.00E+00	2.69E-03	2.98E-03	2.69E-03	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	2.98E-03
1016	ALL	residential	485030.6	3619225	NonCancer	2.69E-03	2.78E-03	0.00E+00	2.13E-06	0.00E+00	2.69E-03	2.98E-03	2.69E-03	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	2.98E-03
421	ALL	residential	487430.6	3617725	NonCancer	2.73E-03	2.82E-03	0.00E+00	2.16E-06	0.00E+00	2.73E-03	2.98E-03	2.73E-03	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	2.98E-03
1277	ALL	residential	485830.6	3619725	NonCancer	2.72E-03	2.81E-03	0.00E+00	2.16E-06	0.00E+00	2.72E-03	2.97E-03	2.72E-03	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	2.97E-03
1238	ALL	residential	486030.6	3619625	NonCancer	2.71E-03	2.81E-03	0.00E+00	2.15E-06	0.00E+00	2.71E-03	2.97E-03	2.71E-03	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	2.97E-03
611	ALL	residential	486830.6	3618225	NonCancer	2.69E-03	2.78E-03	0.00E+00	2.13E-06	0.00E+00	2.69E-03	2.97E-03	2.69E-03	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	2.97E-03
1133	ALL	residential	485130.6	3619425	NonCancer	2.69E-03	2.79E-03	0.00E+00	2.14E-06	0.00E+00	2.69E-03	2.96E-03	2.69E-03	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	2.96E-03
1273	ALL	residential	485430.6	3619725	NonCancer	2.70E-03	2.79E-03	0.00E+00	2.14E-06	0.00E+00	2.70E-03	2.95E-03	2.70E-03	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	2.95E-03
810	ALL	residential	484830.6	3618825	NonCancer	2.58E-03	2.67E-03	0.00E+00	2.05E-06	0.00E+00	2.58E-03	2.94E-03	2.58E-03	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	2.94E-03
152	ALL	residential	485330.6	3615425	NonCancer	2.71E-03	2.80E-03	0.00E+00	2.15E-06	0.00E+00	2.71E-03	2.94E-03	2.71E-03	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	2.94E-03
905	ALL	residential	484930.6	3619025	NonCancer	2.62E-03	2.71E-03	0.00E+00	2.08E-06	0.00E+00	2.62E-03	2.94E-03	2.62E-03	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	2.94E-03
382	ALL	residential	487630.6	3617625	NonCancer	2.68E-03	2.77E-03	0.00E+00	2.13E-06	0.00E+00	2.68E-03	2.93E-03	2.68E-03	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	2.93E-03
229	ALL	residential	488530.6	3616825	NonCancer	2.64E-03	2.73E-03	0.00E+00	2.09E-06	0.00E+00	2.64E-03	2.92E-03	2.64E-03	0.00E+00	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	2.92E-03
1144	ALL	residential	486330.6	3619425	NonCancer	2.66E-03	2.75E-03	0.00E+00	2.11E-06	0.00E+00	2.66E-03	2.92E-03	2.66E-03	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	2.92E-03
410	ALL	residential	484230.6	3617725	NonCancer	2.54E-03	2.63E-03	0.00E+00	2.02E-06	0.00E+00	2.54E-03	2.90E-03	2.54E-03	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	2.90E-03
195	ALL	residential	488630.6	3616525	NonCancer	2.61E-03	2.70E-03	0.00E+00	2.07E-06	0.00E+00	2.61E-03	2.90E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	2.90E-03
1087	ALL	residential	486430.6	3619325	NonCancer	2.64E-03	2.73E-03	0.00E+00	2.10E-06	0.00E+00	2.64E-03	2.90E-03	2.64E-03	0.00E+00	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	2.90E-03
186	ALL	residential	488630.6	3616425	NonCancer	2.61E-03	2.70E-03	0.00E+00	2.07E-06	0.00E+00	2.61E-03	2.90E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	2.90E-03
338	ALL	residential	484330.6	3617525	NonCancer	2.56E-03	2.65E-03	0.00E+00	2.03E-06	0.00E+00	2.56E-03	2.88E-03	2.56E-03	0.00E+00	0.00E+00	0.00E+00	3.03E-05	0.00E+00	0.00E+00	2.88E-03
921	ALL	residential	486630.6	3619025	NonCancer	2.61E-03	2.71E-03	0.00E+00	2.08E-06	0.00E+00	2.62E-03	2.88E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	2.88E-03
787	ALL	residential	486730.6	3618725	NonCancer	2.60E-03	2.69E-03	0.00E+00	2.07E-06	0.00E+00	2.60E-03	2.88E-03	2.60E-03	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	2.88E-03
205	ALL	residential	488630.6	3616625	NonCancer	2.59E-03	2.68E-03	0.00E+00	2.06E-06	0.00E+00	2.59E-03	2.87E-03	2.59E-03	0.00E+00	0.00E+00	0.00E+00	3.07E-05	0.00E+00	0.00E+00	2.87E-03
348	ALL	residential	487830.6	3617525	NonCancer	2.62E-03	2.72E-03	0.00E+00	2.08E-06	0.00E+00	2.62E-03	2.87E-03	2.62E-03	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	2.87E-03
1278	ALL	residential	485930.6	3619725	NonCancer	2.62E-03	2.71E-03	0.00E+00	2.08E-06	0.00E+00	2.62E-03	2.87E-03	2.62E-03	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	2.87E-03
259	ALL	residential	488330.6	3617125	NonCancer	2.60E-03	2.70E-03	0.00E+00	2.07E-06	0.00E+00	2.60E-03	2.87E-03	2.60E-03	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	2.87E-03
276	ALL	residential	488230.6	3617225	NonCancer	2.61E-03	2.70E-03	0.00E+00	2.07E-06	0.00E+00	2.61E-03	2.87E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	2.87E-03
179	ALL	residential	488630.6	3616325	NonCancer	2.58E-03	2.67E-03	0.00E+00	2.05E-06	0.00E+00	2.58E-03	2.87E-03	2.58E-03	0.00E+00	0.00E+00	0.00E+00	3.06E-05	0.00E+00	0.00E+00	2.87E-03
502	ALL	residential	487130.6	3617925	NonCancer	2.62E-03	2.71E-03	0.00E+00	2.08E-06	0.00E+00	2.62E-03	2.86E-03	2.62E-03	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	2.86E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
299	ALL	residential	488130.6	3617325	NonCancer	2.59E-03	2.68E-03	0.00E+00	2.05E-06	0.00E+00	2.59E-03	2.84E-03	2.59E-03	0.00E+00	0.00E+00	0.00E+00	3.06E-05	0.00E+00	0.00E+00	2.84E-03
643	ALL	residential	486830.6	3618325	NonCancer	2.57E-03	2.66E-03	0.00E+00	2.04E-06	0.00E+00	2.57E-03	2.84E-03	2.57E-03	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	2.84E-03
1978	ALL	Worker	484800	3618800	NonCancer	2.47E-03	2.56E-03	0.00E+00	1.96E-06	0.00E+00	2.47E-03	2.84E-03	2.47E-03	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	2.84E-03
1314	ALL	residential	485630.6	3619825	NonCancer	2.59E-03	2.68E-03	0.00E+00	2.06E-06	0.00E+00	2.59E-03	2.84E-03	2.59E-03	0.00E+00	0.00E+00	0.00E+00	3.07E-05	0.00E+00	0.00E+00	2.84E-03
1239	ALL	residential	486130.6	3619625	NonCancer	2.58E-03	2.68E-03	0.00E+00	2.05E-06	0.00E+00	2.58E-03	2.83E-03	2.58E-03	0.00E+00	0.00E+00	0.00E+00	3.06E-05	0.00E+00	0.00E+00	2.83E-03
216	ALL	residential	488630.6	3616725	NonCancer	2.55E-03	2.64E-03	0.00E+00	2.03E-06	0.00E+00	2.55E-03	2.83E-03	2.55E-03	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	2.83E-03
1313	ALL	residential	485530.6	3619825	NonCancer	2.58E-03	2.67E-03	0.00E+00	2.05E-06	0.00E+00	2.58E-03	2.82E-03	2.58E-03	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	2.82E-03
494	ALL	residential	484130.6	3617925	NonCancer	2.42E-03	2.51E-03	0.00E+00	1.92E-06	0.00E+00	2.42E-03	2.82E-03	2.42E-03	0.00E+00	0.00E+00	0.00E+00	2.87E-05	0.00E+00	0.00E+00	2.82E-03
1030	ALL	residential	486530.6	3619225	NonCancer	2.56E-03	2.65E-03	0.00E+00	2.03E-06	0.00E+00	2.56E-03	2.82E-03	2.56E-03	0.00E+00	0.00E+00	0.00E+00	3.03E-05	0.00E+00	0.00E+00	2.82E-03
1315	ALL	residential	485730.6	3619825	NonCancer	2.56E-03	2.65E-03	0.00E+00	2.03E-06	0.00E+00	2.56E-03	2.81E-03	2.56E-03	0.00E+00	0.00E+00	0.00E+00	3.03E-05	0.00E+00	0.00E+00	2.81E-03
240	ALL	residential	488530.6	3616925	NonCancer	2.54E-03	2.63E-03	0.00E+00	2.02E-06	0.00E+00	2.54E-03	2.81E-03	2.54E-03	0.00E+00	0.00E+00	0.00E+00	3.00E-05	0.00E+00	0.00E+00	2.81E-03
159	ALL	residential	485030.6	3615625	NonCancer	2.57E-03	2.66E-03	0.00E+00	2.04E-06	0.00E+00	2.57E-03	2.80E-03	2.57E-03	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	2.80E-03
825	ALL	residential	486730.6	3618825	NonCancer	2.52E-03	2.61E-03	0.00E+00	2.00E-06	0.00E+00	2.52E-03	2.80E-03	2.52E-03	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	2.80E-03
1074	ALL	residential	485030.6	3619325	NonCancer	2.51E-03	2.60E-03	0.00E+00	1.99E-06	0.00E+00	2.51E-03	2.78E-03	2.51E-03	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	2.78E-03
1230	ALL	residential	485230.6	3619625	NonCancer	2.53E-03	2.62E-03	0.00E+00	2.01E-06	0.00E+00	2.53E-03	2.78E-03	2.53E-03	0.00E+00	0.00E+00	0.00E+00	3.00E-05	0.00E+00	0.00E+00	2.78E-03
462	ALL	residential	487330.6	3617825	NonCancer	2.54E-03	2.63E-03	0.00E+00	2.02E-06	0.00E+00	2.54E-03	2.78E-03	2.54E-03	0.00E+00	0.00E+00	0.00E+00	3.00E-05	0.00E+00	0.00E+00	2.78E-03
851	ALL	residential	484830.6	3618925	NonCancer	2.44E-03	2.53E-03	0.00E+00	1.94E-06	0.00E+00	2.44E-03	2.77E-03	2.44E-03	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	2.77E-03
1272	ALL	residential	485330.6	3619725	NonCancer	2.53E-03	2.62E-03	0.00E+00	2.01E-06	0.00E+00	2.53E-03	2.77E-03	2.53E-03	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	2.77E-03
187	ALL	residential	488730.6	3616425	NonCancer	2.49E-03	2.58E-03	0.00E+00	1.98E-06	0.00E+00	2.49E-03	2.77E-03	2.49E-03	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	2.77E-03
371	ALL	residential	484230.6	3617625	NonCancer	2.43E-03	2.52E-03	0.00E+00	1.93E-06	0.00E+00	2.43E-03	2.76E-03	2.43E-03	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	2.76E-03
577	ALL	residential	486930.6	3618125	NonCancer	2.50E-03	2.59E-03	0.00E+00	1.99E-06	0.00E+00	2.50E-03	2.76E-03	2.50E-03	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	2.76E-03
196	ALL	residential	488730.6	3616525	NonCancer	2.48E-03	2.57E-03	0.00E+00	1.97E-06	0.00E+00	2.48E-03	2.76E-03	2.48E-03	0.00E+00	0.00E+00	0.00E+00	2.94E-05	0.00E+00	0.00E+00	2.76E-03
1279	ALL	residential	486030.6	3619725	NonCancer	2.51E-03	2.60E-03	0.00E+00	2.00E-06	0.00E+00	2.51E-03	2.76E-03	2.51E-03	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	2.76E-03
180	ALL	residential	488730.6	3616325	NonCancer	2.48E-03	2.57E-03	0.00E+00	1.97E-06	0.00E+00	2.48E-03	2.75E-03	2.48E-03	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	2.75E-03
230	ALL	residential	488630.6	3616825	NonCancer	2.48E-03	2.57E-03	0.00E+00	1.97E-06	0.00E+00	2.48E-03	2.75E-03	2.48E-03	0.00E+00	0.00E+00	0.00E+00	2.94E-05	0.00E+00	0.00E+00	2.75E-03
677	ALL	residential	486830.6	3618425	NonCancer	2.47E-03	2.56E-03	0.00E+00	1.96E-06	0.00E+00	2.47E-03	2.74E-03	2.47E-03	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	2.74E-03
1316	ALL	residential	485830.6	3619825	NonCancer	2.50E-03	2.58E-03	0.00E+00	1.98E-06	0.00E+00	2.50E-03	2.74E-03	2.50E-03	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	2.74E-03
1312	ALL	residential	485430.6	3619825	NonCancer	2.50E-03	2.59E-03	0.00E+00	1.98E-06	0.00E+00	2.50E-03	2.74E-03	2.50E-03	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	2.74E-03
1188	ALL	residential	485130.6	3619525	NonCancer	2.48E-03	2.57E-03	0.00E+00	1.97E-06	0.00E+00	2.48E-03	2.74E-03	2.48E-03	0.00E+00	0.00E+00	0.00E+00	2.94E-05	0.00E+00	0.00E+00	2.74E-03
540	ALL	residential	487030.6	3618025	NonCancer	2.49E-03	2.58E-03	0.00E+00	1.98E-06	0.00E+00	2.49E-03	2.74E-03	2.49E-03	0.00E+00	0.00E+00	0.00E+00	2.94E-05	0.00E+00	0.00E+00	2.74E-03
959	ALL	residential	484930.6	3619125	NonCancer	2.44E-03	2.52E-03	0.00E+00	1.94E-06	0.00E+00	2.44E-03	2.73E-03	2.44E-03	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	2.73E-03
975	ALL	residential	486630.6	3619125	NonCancer	2.48E-03	2.57E-03	0.00E+00	1.97E-06	0.00E+00	2.48E-03	2.73E-03	2.48E-03	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	2.73E-03
174	ALL	residential	488730.6	3616225	NonCancer	2.46E-03	2.54E-03	0.00E+00	1.95E-06	0.00E+00	2.46E-03	2.73E-03	2.46E-03	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	2.73E-03
206	ALL	residential	488730.6	3616625	NonCancer	2.46E-03	2.55E-03	0.00E+00	1.95E-06	0.00E+00	2.46E-03	2.73E-03	2.46E-03	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	2.73E-03
452	ALL	residential	484130.6	3617825	NonCancer	2.36E-03	2.44E-03	0.00E+00	1.87E-06	0.00E+00	2.36E-03	2.72E-03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	2.72E-03
1145	ALL	residential	486430.6	3619425	NonCancer	2.47E-03	2.56E-03	0.00E+00	1.96E-06	0.00E+00	2.47E-03	2.72E-03	2.47E-03	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	2.72E-03
422	ALL	residential	487530.6	3617725	NonCancer	2.47E-03	2.56E-03	0.00E+00	1.96E-06	0.00E+00	2.47E-03	2.71E-03	2.47E-03	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	2.71E-03
867	ALL	residential	486730.6	3618925	NonCancer	2.44E-03	2.53E-03	0.00E+00	1.94E-06	0.00E+00	2.44E-03	2.70E-03	2.44E-03	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	2.70E-03
1987	ALL	Worker	484800	3618900	NonCancer	2.35E-03	2.44E-03	0.00E+00	1.87E-06	0.00E+00	2.35E-03	2.69E-03	2.35E-03	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	2.69E-03
383	ALL	residential	487730.6	3617625	NonCancer	2.46E-03	2.54E-03	0.00E+00	1.95E-06	0.00E+00	2.46E-03	2.69E-03	2.46E-03	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	2.69E-03
712	ALL	residential	486830.6	3618525	NonCancer	2.42E-03	2.50E-03	0.00E+00	1.92E-06	0.00E+00	2.42E-03	2.68E-03	2.42E-03	0.00E+00	0.00E+00	0.00E+00	2.86E-05	0.00E+00	0.00E+00	2.68E-03
217	ALL	residential	488730.6	3616725	NonCancer	2.41E-03	2.50E-03	0.00E+00	1.91E-06	0.00E+00	2.41E-03	2.67E-03	2.41E-03	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	2.67E-03
260	ALL	residential	488430.6	3617125	NonCancer	2.42E-03	2.51E-03	0.00E+00	1.92E-06	0.00E+00	2.42E-03	2.67E-03	2.42E-03	0.00E+00	0.00E+00	0.00E+00	2.86E-05	0.00E+00	0.00E+00	2.67E-03
1088	ALL	residential	486530.6	3619325	NonCancer	2.42E-03	2.50E-03	0.00E+00	1.92E-06	0.00E+00	2.42E-03	2.66E-03	2.42E-03	0.00E+00	0.00E+00	0.00E+00	2.86E-05	0.00E+00	0.00E+00	2.66E-03
277	ALL	residential	488330.6	3617225	NonCancer	2.41E-03	2.50E-03	0.00E+00	1.92E-06	0.00E+00	2.41E-03	2.66E-03	2.41E-03	0.00E+00	0.00E+00	0.00E+00	2.86E-05	0.00E+00	0.00E+00	2.66E-03
349	ALL	residential	487930.6	3617525	NonCancer	2.42E-03	2.51E-03	0.00E+00	1.92E-06	0.00E+00	2.42E-03	2.66E-03	2.42E-03	0.00E+00	0.00E+00	0.00E+00	2.87E-05	0.00E+00	0.00E+00	2.66E-03
1317	ALL	residential	485930.6	3619825	NonCancer	2.41E-03	2.49E-03	0.00E+00	1.91E-06	0.00E+00	2.41E-03	2.65E-03	2.41E-03	0.00E+00	0.00E+00	0.00E+00	2.85E-05	0.00E+00	0.00E+00	2.65E-03
1968	ALL	Worker	484700	3618700	NonCancer	2.24E-03	2.32E-03	0.00E+00	1.78E-06	0.00E+00	2.24E-03	2.64E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	2.64E-03
188	ALL	residential	488830.6	3616425	NonCancer	2.38E-03	2.46E-03	0.00E+00	1.89E-06	0.00E+00	2.38E-03	2.64E-03	2.38E-03	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	2.64E-03
181	ALL	residential	488830.6	3616325	NonCancer	2.37E-03	2.46E-03	0.00E+00	1.89E-06	0.00E+00	2.37E-03	2.64E-03	2.37E-03	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	2.64E-03
1356	ALL	residential	485630.6	3619925	NonCancer	2.40E-03	2.49E-03	0.00E+00	1.91E-06	0.00E+00	2.40E-03	2.64E-03	2.40E-03	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	2.64E-03
750	ALL	residential	486830.6	3618625	NonCancer	2.37E-03	2.45E-03	0.00E+00	1.88E-06	0.00E+00	2.37E-03	2.63E-03	2.37E-03	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	2.63E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
300	ALL	residential	488230.6	3617325	NonCancer	2.39E-03	2.47E-03	0.00E+00	1.90E-06	0.00E+00	2.39E-03	2.63E-03	2.39E-03	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	2.63E-03
197	ALL	residential	488830.6	3616525	NonCancer	2.36E-03	2.45E-03	0.00E+00	1.88E-06	0.00E+00	2.36E-03	2.63E-03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	2.63E-03
175	ALL	residential	488830.6	3616225	NonCancer	2.35E-03	2.44E-03	0.00E+00	1.87E-06	0.00E+00	2.35E-03	2.62E-03	2.35E-03	0.00E+00	0.00E+00	0.00E+00	2.78E-05	0.00E+00	0.00E+00	2.62E-03
1355	ALL	residential	485530.6	3619925	NonCancer	2.38E-03	2.47E-03	0.00E+00	1.89E-06	0.00E+00	2.38E-03	2.62E-03	2.38E-03	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	2.62E-03
409	ALL	residential	484130.6	3617725	NonCancer	2.27E-03	2.35E-03	0.00E+00	1.80E-06	0.00E+00	2.27E-03	2.61E-03	2.27E-03	0.00E+00	0.00E+00	0.00E+00	2.69E-05	0.00E+00	0.00E+00	2.61E-03
1132	ALL	residential	485030.6	3619425	NonCancer	2.35E-03	2.44E-03	0.00E+00	1.87E-06	0.00E+00	2.35E-03	2.61E-03	2.35E-03	0.00E+00	0.00E+00	0.00E+00	2.78E-05	0.00E+00	0.00E+00	2.61E-03
612	ALL	residential	486930.6	3618225	NonCancer	2.36E-03	2.44E-03	0.00E+00	1.87E-06	0.00E+00	2.36E-03	2.61E-03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	2.61E-03
922	ALL	residential	486730.6	3619025	NonCancer	2.35E-03	2.44E-03	0.00E+00	1.87E-06	0.00E+00	2.35E-03	2.60E-03	2.35E-03	0.00E+00	0.00E+00	0.00E+00	2.78E-05	0.00E+00	0.00E+00	2.60E-03
337	ALL	residential	484230.6	3617525	NonCancer	2.28E-03	2.37E-03	0.00E+00	1.81E-06	0.00E+00	2.29E-03	2.59E-03	2.28E-03	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	2.59E-03
1357	ALL	residential	485730.6	3619925	NonCancer	2.36E-03	2.44E-03	0.00E+00	1.88E-06	0.00E+00	2.36E-03	2.59E-03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	2.59E-03
207	ALL	residential	488830.6	3616625	NonCancer	2.33E-03	2.42E-03	0.00E+00	1.85E-06	0.00E+00	2.33E-03	2.59E-03	2.33E-03	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	2.59E-03
1311	ALL	residential	485330.6	3619825	NonCancer	2.36E-03	2.44E-03	0.00E+00	1.87E-06	0.00E+00	2.36E-03	2.59E-03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	2.59E-03
1031	ALL	residential	486630.6	3619225	NonCancer	2.34E-03	2.42E-03	0.00E+00	1.86E-06	0.00E+00	2.34E-03	2.58E-03	2.34E-03	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	2.58E-03
503	ALL	residential	487230.6	3617925	NonCancer	2.35E-03	2.44E-03	0.00E+00	1.87E-06	0.00E+00	2.35E-03	2.58E-03	2.35E-03	0.00E+00	0.00E+00	0.00E+00	2.78E-05	0.00E+00	0.00E+00	2.58E-03
1271	ALL	residential	485230.6	3619725	NonCancer	2.34E-03	2.43E-03	0.00E+00	1.86E-06	0.00E+00	2.34E-03	2.58E-03	2.34E-03	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	2.58E-03
788	ALL	residential	486830.6	3618725	NonCancer	2.30E-03	2.39E-03	0.00E+00	1.83E-06	0.00E+00	2.30E-03	2.56E-03	2.30E-03	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	2.56E-03
1015	ALL	residential	484930.6	3619225	NonCancer	2.28E-03	2.36E-03	0.00E+00	1.81E-06	0.00E+00	2.28E-03	2.56E-03	2.28E-03	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	2.56E-03
493	ALL	residential	484030.6	3617925	NonCancer	2.19E-03	2.26E-03	0.00E+00	1.74E-06	0.00E+00	2.19E-03	2.55E-03	2.19E-03	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	2.55E-03
904	ALL	residential	484830.6	3619025	NonCancer	2.24E-03	2.32E-03	0.00E+00	1.78E-06	0.00E+00	2.24E-03	2.55E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	2.66E-05	0.00E+00	0.00E+00	2.55E-03
1318	ALL	residential	486030.6	3619825	NonCancer	2.32E-03	2.40E-03	0.00E+00	1.84E-06	0.00E+00	2.32E-03	2.55E-03	2.32E-03	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	2.55E-03
1354	ALL	residential	485430.6	3619925	NonCancer	2.32E-03	2.40E-03	0.00E+00	1.84E-06	0.00E+00	2.32E-03	2.55E-03	2.32E-03	0.00E+00	0.00E+00	0.00E+00	2.74E-05	0.00E+00	0.00E+00	2.55E-03
1229	ALL	residential	485130.6	3619625	NonCancer	2.30E-03	2.38E-03	0.00E+00	1.82E-06	0.00E+00	2.30E-03	2.53E-03	2.30E-03	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	2.53E-03
1358	ALL	residential	485830.6	3619925	NonCancer	2.30E-03	2.38E-03	0.00E+00	1.83E-06	0.00E+00	2.30E-03	2.53E-03	2.30E-03	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	2.53E-03
218	ALL	residential	488830.6	3616725	NonCancer	2.28E-03	2.36E-03	0.00E+00	1.81E-06	0.00E+00	2.28E-03	2.53E-03	2.28E-03	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	2.53E-03
182	ALL	residential	488930.6	3616325	NonCancer	2.27E-03	2.35E-03	0.00E+00	1.80E-06	0.00E+00	2.27E-03	2.52E-03	2.27E-03	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	2.52E-03
189	ALL	residential	488930.6	3616425	NonCancer	2.26E-03	2.34E-03	0.00E+00	1.80E-06	0.00E+00	2.27E-03	2.52E-03	2.26E-03	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	2.52E-03
463	ALL	residential	487430.6	3617825	NonCancer	2.29E-03	2.37E-03	0.00E+00	1.82E-06	0.00E+00	2.29E-03	2.52E-03	2.29E-03	0.00E+00	0.00E+00	0.00E+00	2.71E-05	0.00E+00	0.00E+00	2.52E-03
1146	ALL	residential	486530.6	3619425	NonCancer	2.28E-03	2.36E-03	0.00E+00	1.81E-06	0.00E+00	2.28E-03	2.51E-03	2.28E-03	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	2.51E-03
176	ALL	residential	488930.6	3616225	NonCancer	2.25E-03	2.33E-03	0.00E+00	1.79E-06	0.00E+00	2.25E-03	2.51E-03	2.25E-03	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	2.51E-03
644	ALL	residential	486930.6	3618325	NonCancer	2.25E-03	2.33E-03	0.00E+00	1.79E-06	0.00E+00	2.26E-03	2.50E-03	2.25E-03	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	2.50E-03
198	ALL	residential	488930.6	3616525	NonCancer	2.25E-03	2.33E-03	0.00E+00	1.79E-06	0.00E+00	2.25E-03	2.50E-03	2.25E-03	0.00E+00	0.00E+00	0.00E+00	2.66E-05	0.00E+00	0.00E+00	2.50E-03
384	ALL	residential	487830.6	3617625	NonCancer	2.28E-03	2.36E-03	0.00E+00	1.81E-06	0.00E+00	2.28E-03	2.50E-03	2.28E-03	0.00E+00	0.00E+00	0.00E+00	2.69E-05	0.00E+00	0.00E+00	2.50E-03
370	ALL	residential	484130.6	3617625	NonCancer	2.18E-03	2.26E-03	0.00E+00	1.73E-06	0.00E+00	2.18E-03	2.50E-03	2.18E-03	0.00E+00	0.00E+00	0.00E+00	2.58E-05	0.00E+00	0.00E+00	2.50E-03
423	ALL	residential	487630.6	3617725	NonCancer	2.27E-03	2.35E-03	0.00E+00	1.80E-06	0.00E+00	2.27E-03	2.49E-03	2.27E-03	0.00E+00	0.00E+00	0.00E+00	2.69E-05	0.00E+00	0.00E+00	2.49E-03
976	ALL	residential	486730.6	3619125	NonCancer	2.25E-03	2.33E-03	0.00E+00	1.79E-06	0.00E+00	2.25E-03	2.49E-03	2.25E-03	0.00E+00	0.00E+00	0.00E+00	2.66E-05	0.00E+00	0.00E+00	2.49E-03
826	ALL	residential	486830.6	3618825	NonCancer	2.24E-03	2.32E-03	0.00E+00	1.78E-06	0.00E+00	2.24E-03	2.49E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	2.49E-03
171	ALL	residential	488930.6	3616125	NonCancer	2.23E-03	2.31E-03	0.00E+00	1.77E-06	0.00E+00	2.23E-03	2.49E-03	2.23E-03	0.00E+00	0.00E+00	0.00E+00	2.64E-05	0.00E+00	0.00E+00	2.49E-03
1977	ALL	Worker	484700	3618800	NonCancer	2.11E-03	2.19E-03	0.00E+00	1.68E-06	0.00E+00	2.11E-03	2.48E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	2.48E-03
278	ALL	residential	488430.6	3617225	NonCancer	2.24E-03	2.32E-03	0.00E+00	1.78E-06	0.00E+00	2.24E-03	2.47E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	2.47E-03
350	ALL	residential	488030.6	3617525	NonCancer	2.24E-03	2.32E-03	0.00E+00	1.78E-06	0.00E+00	2.24E-03	2.47E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	2.47E-03
451	ALL	residential	484030.6	3617825	NonCancer	2.12E-03	2.20E-03	0.00E+00	1.68E-06	0.00E+00	2.12E-03	2.46E-03	2.12E-03	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	2.46E-03
541	ALL	residential	487130.6	3618025	NonCancer	2.23E-03	2.31E-03	0.00E+00	1.77E-06	0.00E+00	2.23E-03	2.46E-03	2.23E-03	0.00E+00	0.00E+00	0.00E+00	2.64E-05	0.00E+00	0.00E+00	2.46E-03
312	ALL	residential	484230.6	3617425	NonCancer	2.17E-03	2.25E-03	0.00E+00	1.72E-06	0.00E+00	2.17E-03	2.46E-03	2.17E-03	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	2.46E-03
208	ALL	residential	488930.6	3616625	NonCancer	2.21E-03	2.29E-03	0.00E+00	1.76E-06	0.00E+00	2.21E-03	2.46E-03	2.21E-03	0.00E+00	0.00E+00	0.00E+00	2.62E-05	0.00E+00	0.00E+00	2.46E-03
578	ALL	residential	487030.6	3618125	NonCancer	2.22E-03	2.30E-03	0.00E+00	1.76E-06	0.00E+00	2.22E-03	2.46E-03	2.22E-03	0.00E+00	0.00E+00	0.00E+00	2.62E-05	0.00E+00	0.00E+00	2.46E-03
1359	ALL	residential	485930.6	3619925	NonCancer	2.23E-03	2.31E-03	0.00E+00	1.77E-06	0.00E+00	2.23E-03	2.45E-03	2.23E-03	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	2.45E-03
1089	ALL	residential	486630.6	3619325	NonCancer	2.21E-03	2.29E-03	0.00E+00	1.76E-06	0.00E+00	2.21E-03	2.44E-03	2.21E-03	0.00E+00	0.00E+00	0.00E+00	2.62E-05	0.00E+00	0.00E+00	2.44E-03
301	ALL	residential	488330.6	3617325	NonCancer	2.21E-03	2.29E-03	0.00E+00	1.76E-06	0.00E+00	2.21E-03	2.44E-03	2.21E-03	0.00E+00	0.00E+00	0.00E+00	2.62E-05	0.00E+00	0.00E+00	2.44E-03
1187	ALL	residential	485030.6	3619525	NonCancer	2.19E-03	2.27E-03	0.00E+00	1.74E-06	0.00E+00	2.19E-03	2.43E-03	2.19E-03	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	2.43E-03
1400	ALL	residential	485630.6	3620025	NonCancer	2.21E-03	2.28E-03	0.00E+00	1.75E-06	0.00E+00	2.21E-03	2.43E-03	2.21E-03	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	2.43E-03
1399	ALL	residential	485530.6	3620025	NonCancer	2.20E-03	2.28E-03	0.00E+00	1.75E-06	0.00E+00	2.20E-03	2.42E-03	2.20E-03	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	2.42E-03
850	ALL	residential	484730.6	3618925	NonCancer	2.09E-03	2.16E-03	0.00E+00	1.66E-06	0.00E+00	2.09E-03	2.42E-03	2.09E-03	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	2.42E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1353	ALL	residential	485330.6	3619925	NonCancer	2.20E-03	2.28E-03	0.00E+00	1.75E-06	0.00E+00	2.20E-03	2.42E-03	2.20E-03	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	2.42E-03
678	ALL	residential	486930.6	3618425	NonCancer	2.17E-03	2.25E-03	0.00E+00	1.73E-06	0.00E+00	2.17E-03	2.42E-03	2.17E-03	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	2.42E-03
1073	ALL	residential	484930.6	3619325	NonCancer	2.16E-03	2.23E-03	0.00E+00	1.71E-06	0.00E+00	2.16E-03	2.42E-03	2.16E-03	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	2.42E-03
1310	ALL	residential	485230.6	3619825	NonCancer	2.19E-03	2.27E-03	0.00E+00	1.74E-06	0.00E+00	2.19E-03	2.42E-03	2.19E-03	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	2.42E-03
183	ALL	residential	489030.6	3616325	NonCancer	2.17E-03	2.24E-03	0.00E+00	1.72E-06	0.00E+00	2.17E-03	2.41E-03	2.17E-03	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	2.41E-03
868	ALL	residential	486830.6	3618925	NonCancer	2.17E-03	2.25E-03	0.00E+00	1.72E-06	0.00E+00	2.17E-03	2.41E-03	2.17E-03	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	2.41E-03
177	ALL	residential	489030.6	3616225	NonCancer	2.16E-03	2.24E-03	0.00E+00	1.71E-06	0.00E+00	2.16E-03	2.41E-03	2.16E-03	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	2.41E-03
190	ALL	residential	489030.6	3616425	NonCancer	2.16E-03	2.24E-03	0.00E+00	1.72E-06	0.00E+00	2.16E-03	2.40E-03	2.16E-03	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	2.40E-03
219	ALL	residential	488930.6	3616725	NonCancer	2.15E-03	2.23E-03	0.00E+00	1.71E-06	0.00E+00	2.16E-03	2.39E-03	2.15E-03	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	2.39E-03
172	ALL	residential	489030.6	3616125	NonCancer	2.14E-03	2.22E-03	0.00E+00	1.70E-06	0.00E+00	2.14E-03	2.39E-03	2.14E-03	0.00E+00	0.00E+00	0.00E+00	2.54E-05	0.00E+00	0.00E+00	2.39E-03
1401	ALL	residential	485730.6	3620025	NonCancer	2.17E-03	2.25E-03	0.00E+00	1.72E-06	0.00E+00	2.17E-03	2.39E-03	2.17E-03	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	2.39E-03
199	ALL	residential	489030.6	3616525	NonCancer	2.14E-03	2.21E-03	0.00E+00	1.70E-06	0.00E+00	2.14E-03	2.38E-03	2.14E-03	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	2.38E-03
533	ALL	residential	483930.6	3618025	NonCancer	2.00E-03	2.08E-03	0.00E+00	1.59E-06	0.00E+00	2.00E-03	2.38E-03	2.00E-03	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	2.38E-03
1270	ALL	residential	485130.6	3619725	NonCancer	2.15E-03	2.23E-03	0.00E+00	1.71E-06	0.00E+00	2.15E-03	2.38E-03	2.15E-03	0.00E+00	0.00E+00	0.00E+00	2.54E-05	0.00E+00	0.00E+00	2.38E-03
713	ALL	residential	486930.6	3618525	NonCancer	2.13E-03	2.21E-03	0.00E+00	1.69E-06	0.00E+00	2.13E-03	2.38E-03	2.13E-03	0.00E+00	0.00E+00	0.00E+00	2.52E-05	0.00E+00	0.00E+00	2.38E-03
1398	ALL	residential	485430.6	3620025	NonCancer	2.16E-03	2.23E-03	0.00E+00	1.71E-06	0.00E+00	2.16E-03	2.37E-03	2.16E-03	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	2.37E-03
1032	ALL	residential	486730.6	3619225	NonCancer	2.14E-03	2.22E-03	0.00E+00	1.70E-06	0.00E+00	2.14E-03	2.37E-03	2.14E-03	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	2.37E-03
1986	ALL	Worker	484700	3618900	NonCancer	2.02E-03	2.09E-03	0.00E+00	1.60E-06	0.00E+00	2.02E-03	2.36E-03	2.02E-03	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	2.36E-03
408	ALL	residential	484030.6	3617725	NonCancer	2.04E-03	2.12E-03	0.00E+00	1.62E-06	0.00E+00	2.04E-03	2.36E-03	2.04E-03	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	2.36E-03
169	ALL	residential	489030.6	3616025	NonCancer	2.12E-03	2.19E-03	0.00E+00	1.68E-06	0.00E+00	2.12E-03	2.36E-03	2.12E-03	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	2.36E-03
1360	ALL	residential	486030.6	3619925	NonCancer	2.14E-03	2.21E-03	0.00E+00	1.70E-06	0.00E+00	2.14E-03	2.36E-03	2.14E-03	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	2.36E-03
958	ALL	residential	484830.6	3619125	NonCancer	2.07E-03	2.14E-03	0.00E+00	1.64E-06	0.00E+00	2.07E-03	2.35E-03	2.07E-03	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	2.35E-03
336	ALL	residential	484130.6	3617525	NonCancer	2.06E-03	2.13E-03	0.00E+00	1.64E-06	0.00E+00	2.06E-03	2.35E-03	2.06E-03	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	2.35E-03
287	ALL	residential	484230.6	3617325	NonCancer	2.07E-03	2.14E-03	0.00E+00	1.64E-06	0.00E+00	2.07E-03	2.34E-03	2.07E-03	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	2.34E-03
751	ALL	residential	486930.6	3618625	NonCancer	2.10E-03	2.17E-03	0.00E+00	1.67E-06	0.00E+00	2.10E-03	2.34E-03	2.10E-03	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	2.34E-03
1402	ALL	residential	485830.6	3620025	NonCancer	2.12E-03	2.19E-03	0.00E+00	1.68E-06	0.00E+00	2.12E-03	2.34E-03	2.12E-03	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	2.34E-03
209	ALL	residential	489030.6	3616625	NonCancer	2.10E-03	2.17E-03	0.00E+00	1.67E-06	0.00E+00	2.10E-03	2.34E-03	2.10E-03	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	2.34E-03
504	ALL	residential	487330.6	3617925	NonCancer	2.12E-03	2.19E-03	0.00E+00	1.68E-06	0.00E+00	2.12E-03	2.33E-03	2.12E-03	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	2.33E-03
923	ALL	residential	486830.6	3619025	NonCancer	2.09E-03	2.17E-03	0.00E+00	1.66E-06	0.00E+00	2.09E-03	2.33E-03	2.09E-03	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	2.33E-03
492	ALL	residential	483930.6	3617925	NonCancer	1.98E-03	2.05E-03	0.00E+00	1.57E-06	0.00E+00	1.98E-03	2.32E-03	1.98E-03	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	2.32E-03
385	ALL	residential	487930.6	3617625	NonCancer	2.11E-03	2.19E-03	0.00E+00	1.68E-06	0.00E+00	2.11E-03	2.32E-03	2.11E-03	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	2.32E-03
261	ALL	residential	488630.6	3617125	NonCancer	2.10E-03	2.17E-03	0.00E+00	1.67E-06	0.00E+00	2.10E-03	2.32E-03	2.10E-03	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	2.32E-03
1147	ALL	residential	486630.6	3619425	NonCancer	2.09E-03	2.16E-03	0.00E+00	1.66E-06	0.00E+00	2.09E-03	2.31E-03	2.09E-03	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	2.31E-03
184	ALL	residential	489130.6	3616325	NonCancer	2.07E-03	2.15E-03	0.00E+00	1.65E-06	0.00E+00	2.07E-03	2.31E-03	2.07E-03	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	2.31E-03
178	ALL	residential	489130.6	3616225	NonCancer	2.07E-03	2.14E-03	0.00E+00	1.64E-06	0.00E+00	2.07E-03	2.31E-03	2.07E-03	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	2.31E-03
613	ALL	residential	487030.6	3618225	NonCancer	2.08E-03	2.15E-03	0.00E+00	1.65E-06	0.00E+00	2.08E-03	2.31E-03	2.08E-03	0.00E+00	0.00E+00	0.00E+00	2.46E-05	0.00E+00	0.00E+00	2.31E-03
424	ALL	residential	487730.6	3617725	NonCancer	2.09E-03	2.17E-03	0.00E+00	1.66E-06	0.00E+00	2.09E-03	2.30E-03	2.09E-03	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	2.30E-03
173	ALL	residential	489130.6	3616125	NonCancer	2.06E-03	2.13E-03	0.00E+00	1.64E-06	0.00E+00	2.06E-03	2.30E-03	2.06E-03	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	2.30E-03
191	ALL	residential	489130.6	3616425	NonCancer	2.06E-03	2.14E-03	0.00E+00	1.64E-06	0.00E+00	2.06E-03	2.30E-03	2.06E-03	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	2.30E-03
351	ALL	residential	488130.6	3617525	NonCancer	2.08E-03	2.16E-03	0.00E+00	1.66E-06	0.00E+00	2.09E-03	2.30E-03	2.08E-03	0.00E+00	0.00E+00	0.00E+00	2.47E-05	0.00E+00	0.00E+00	2.30E-03
789	ALL	residential	486930.6	3618725	NonCancer	2.05E-03	2.12E-03	0.00E+00	1.63E-06	0.00E+00	2.05E-03	2.29E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	2.29E-03
1131	ALL	residential	484930.6	3619425	NonCancer	2.04E-03	2.11E-03	0.00E+00	1.62E-06	0.00E+00	2.04E-03	2.28E-03	2.04E-03	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	2.28E-03
170	ALL	residential	489130.6	3616025	NonCancer	2.04E-03	2.11E-03	0.00E+00	1.62E-06	0.00E+00	2.04E-03	2.28E-03	2.04E-03	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	2.28E-03
903	ALL	residential	484730.6	3619025	NonCancer	1.97E-03	2.04E-03	0.00E+00	1.56E-06	0.00E+00	1.97E-03	2.27E-03	1.97E-03	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	2.27E-03
1228	ALL	residential	485030.6	3619625	NonCancer	2.04E-03	2.12E-03	0.00E+00	1.62E-06	0.00E+00	2.04E-03	2.27E-03	2.04E-03	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	2.27E-03
369	ALL	residential	484030.6	3617625	NonCancer	1.97E-03	2.04E-03	0.00E+00	1.56E-06	0.00E+00	1.97E-03	2.27E-03	1.97E-03	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	2.27E-03
200	ALL	residential	489130.6	3616525	NonCancer	2.04E-03	2.11E-03	0.00E+00	1.62E-06	0.00E+00	2.04E-03	2.27E-03	2.04E-03	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	2.27E-03
1403	ALL	residential	485930.6	3620025	NonCancer	2.05E-03	2.13E-03	0.00E+00	1.63E-06	0.00E+00	2.05E-03	2.27E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	2.27E-03
220	ALL	residential	489030.6	3616725	NonCancer	2.04E-03	2.11E-03	0.00E+00	1.62E-06	0.00E+00	2.04E-03	2.26E-03	2.04E-03	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	2.26E-03
1397	ALL	residential	485330.6	3620025	NonCancer	2.05E-03	2.13E-03	0.00E+00	1.63E-06	0.00E+00	2.05E-03	2.26E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	2.26E-03
1352	ALL	residential	485230.6	3619925	NonCancer	2.05E-03	2.12E-03	0.00E+00	1.63E-06	0.00E+00	2.05E-03	2.26E-03	2.05E-03	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	2.26E-03
1445	ALL	residential	485530.6	3620125	NonCancer	2.04E-03	2.11E-03	0.00E+00	1.62E-06	0.00E+00	2.04E-03	2.25E-03	2.04E-03	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	2.25E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1090	ALL	residential	486730.6	3619325	NonCancer	2.03E-03	2.10E-03	0.00E+00	1.61E-06	0.00E+00	2.03E-03	2.25E-03	2.03E-03	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	0.00E+00	2.25E-03
168	ALL	residential	489130.6	3615925	NonCancer	2.01E-03	2.08E-03	0.00E+00	1.60E-06	0.00E+00	2.01E-03	2.25E-03	2.01E-03	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	2.25E-03
450	ALL	residential	483930.6	3617825	NonCancer	1.92E-03	1.99E-03	0.00E+00	1.53E-06	0.00E+00	1.92E-03	2.24E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	2.24E-03
977	ALL	residential	486830.6	3619125	NonCancer	2.02E-03	2.09E-03	0.00E+00	1.60E-06	0.00E+00	2.02E-03	2.24E-03	2.02E-03	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	2.24E-03
1309	ALL	residential	485130.6	3619825	NonCancer	2.02E-03	2.09E-03	0.00E+00	1.60E-06	0.00E+00	2.02E-03	2.23E-03	2.02E-03	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	2.23E-03
1976	ALL	Worker	484600	3618800	NonCancer	1.85E-03	1.92E-03	0.00E+00	1.47E-06	0.00E+00	1.85E-03	2.23E-03	1.85E-03	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	2.23E-03
1446	ALL	residential	485630.6	3620125	NonCancer	2.02E-03	2.09E-03	0.00E+00	1.61E-06	0.00E+00	2.02E-03	2.23E-03	2.02E-03	0.00E+00	0.00E+00	0.00E+00	2.39E-05	0.00E+00	0.00E+00	2.23E-03
311	ALL	residential	484130.6	3617425	NonCancer	1.95E-03	2.02E-03	0.00E+00	1.55E-06	0.00E+00	1.95E-03	2.23E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	2.23E-03
827	ALL	residential	486930.6	3618825	NonCancer	2.00E-03	2.07E-03	0.00E+00	1.59E-06	0.00E+00	2.00E-03	2.23E-03	2.00E-03	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	2.23E-03
542	ALL	residential	487230.6	3618025	NonCancer	2.01E-03	2.08E-03	0.00E+00	1.59E-06	0.00E+00	2.01E-03	2.22E-03	2.01E-03	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	2.22E-03
645	ALL	residential	487030.6	3618325	NonCancer	1.99E-03	2.06E-03	0.00E+00	1.58E-06	0.00E+00	1.99E-03	2.22E-03	1.99E-03	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	2.22E-03
210	ALL	residential	489130.6	3616625	NonCancer	1.99E-03	2.06E-03	0.00E+00	1.58E-06	0.00E+00	1.99E-03	2.22E-03	1.99E-03	0.00E+00	0.00E+00	0.00E+00	2.36E-05	0.00E+00	0.00E+00	2.22E-03
1444	ALL	residential	485430.6	3620125	NonCancer	2.01E-03	2.08E-03	0.00E+00	1.60E-06	0.00E+00	2.01E-03	2.21E-03	2.01E-03	0.00E+00	0.00E+00	0.00E+00	2.38E-05	0.00E+00	0.00E+00	2.21E-03
1014	ALL	residential	484830.6	3619225	NonCancer	1.94E-03	2.01E-03	0.00E+00	1.54E-06	0.00E+00	1.94E-03	2.21E-03	1.94E-03	0.00E+00	0.00E+00	0.00E+00	2.29E-05	0.00E+00	0.00E+00	2.21E-03
579	ALL	residential	487130.6	3618125	NonCancer	1.98E-03	2.05E-03	0.00E+00	1.58E-06	0.00E+00	1.99E-03	2.20E-03	1.98E-03	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	2.20E-03
1447	ALL	residential	485730.6	3620125	NonCancer	1.99E-03	2.06E-03	0.00E+00	1.58E-06	0.00E+00	1.99E-03	2.20E-03	1.99E-03	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	2.20E-03
1404	ALL	residential	486030.6	3620025	NonCancer	1.97E-03	2.04E-03	0.00E+00	1.57E-06	0.00E+00	1.97E-03	2.18E-03	1.97E-03	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	2.18E-03
532	ALL	residential	483830.6	3618025	NonCancer	1.83E-03	1.89E-03	0.00E+00	1.45E-06	0.00E+00	1.83E-03	2.18E-03	1.83E-03	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	2.18E-03
386	ALL	residential	488030.6	3617625	NonCancer	1.97E-03	2.04E-03	0.00E+00	1.57E-06	0.00E+00	1.97E-03	2.17E-03	1.97E-03	0.00E+00	0.00E+00	0.00E+00	2.34E-05	0.00E+00	0.00E+00	2.17E-03
679	ALL	residential	487030.6	3618425	NonCancer	1.95E-03	2.01E-03	0.00E+00	1.55E-06	0.00E+00	1.95E-03	2.17E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	2.17E-03
869	ALL	residential	486930.6	3618925	NonCancer	1.94E-03	2.01E-03	0.00E+00	1.54E-06	0.00E+00	1.94E-03	2.17E-03	1.94E-03	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	2.17E-03
407	ALL	residential	483930.6	3617725	NonCancer	1.85E-03	1.92E-03	0.00E+00	1.47E-06	0.00E+00	1.85E-03	2.15E-03	1.85E-03	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	2.15E-03
1033	ALL	residential	486830.6	3619225	NonCancer	1.94E-03	2.01E-03	0.00E+00	1.54E-06	0.00E+00	1.94E-03	2.15E-03	1.94E-03	0.00E+00	0.00E+00	0.00E+00	2.29E-05	0.00E+00	0.00E+00	2.15E-03
335	ALL	residential	484030.6	3617525	NonCancer	1.87E-03	1.93E-03	0.00E+00	1.48E-06	0.00E+00	1.87E-03	2.15E-03	1.87E-03	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	2.15E-03
1269	ALL	residential	485030.6	3619725	NonCancer	1.93E-03	2.00E-03	0.00E+00	1.53E-06	0.00E+00	1.93E-03	2.15E-03	1.93E-03	0.00E+00	0.00E+00	0.00E+00	2.29E-05	0.00E+00	0.00E+00	2.15E-03
352	ALL	residential	488230.6	3617525	NonCancer	1.95E-03	2.02E-03	0.00E+00	1.55E-06	0.00E+00	1.95E-03	2.15E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	2.15E-03
1186	ALL	residential	484930.6	3619525	NonCancer	1.92E-03	1.98E-03	0.00E+00	1.52E-06	0.00E+00	1.92E-03	2.15E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00	2.27E-05	0.00E+00	0.00E+00	2.15E-03
221	ALL	residential	489130.6	3616725	NonCancer	1.93E-03	2.00E-03	0.00E+00	1.53E-06	0.00E+00	1.93E-03	2.14E-03	1.93E-03	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	2.14E-03
1448	ALL	residential	485830.6	3620125	NonCancer	1.94E-03	2.01E-03	0.00E+00	1.54E-06	0.00E+00	1.94E-03	2.14E-03	1.94E-03	0.00E+00	0.00E+00	0.00E+00	2.29E-05	0.00E+00	0.00E+00	2.14E-03
425	ALL	residential	487830.6	3617725	NonCancer	1.95E-03	2.01E-03	0.00E+00	1.55E-06	0.00E+00	1.95E-03	2.14E-03	1.95E-03	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	2.14E-03
286	ALL	residential	484130.6	3617325	NonCancer	1.87E-03	1.94E-03	0.00E+00	1.49E-06	0.00E+00	1.87E-03	2.13E-03	1.87E-03	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	2.13E-03
1396	ALL	residential	485230.6	3620025	NonCancer	1.93E-03	2.00E-03	0.00E+00	1.53E-06	0.00E+00	1.93E-03	2.13E-03	1.93E-03	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	2.13E-03
1443	ALL	residential	485330.6	3620125	NonCancer	1.93E-03	2.00E-03	0.00E+00	1.53E-06	0.00E+00	1.93E-03	2.13E-03	1.93E-03	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	2.13E-03
714	ALL	residential	487030.6	3618525	NonCancer	1.91E-03	1.97E-03	0.00E+00	1.51E-06	0.00E+00	1.91E-03	2.13E-03	1.91E-03	0.00E+00	0.00E+00	0.00E+00	2.26E-05	0.00E+00	0.00E+00	2.13E-03
491	ALL	residential	483830.6	3617925	NonCancer	1.80E-03	1.86E-03	0.00E+00	1.43E-06	0.00E+00	1.80E-03	2.13E-03	1.80E-03	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	2.13E-03
505	ALL	residential	487430.6	3617925	NonCancer	1.93E-03	1.99E-03	0.00E+00	1.53E-06	0.00E+00	1.93E-03	2.13E-03	1.93E-03	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	2.13E-03
1148	ALL	residential	486730.6	3619425	NonCancer	1.90E-03	1.97E-03	0.00E+00	1.51E-06	0.00E+00	1.90E-03	2.11E-03	1.90E-03	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	2.11E-03
1351	ALL	residential	485130.6	3619925	NonCancer	1.90E-03	1.97E-03	0.00E+00	1.51E-06	0.00E+00	1.90E-03	2.11E-03	1.90E-03	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	2.11E-03
1985	ALL	Worker	484600	3618900	NonCancer	1.75E-03	1.82E-03	0.00E+00	1.39E-06	0.00E+00	1.76E-03	2.11E-03	1.75E-03	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	2.11E-03
924	ALL	residential	486930.6	3619025	NonCancer	1.88E-03	1.95E-03	0.00E+00	1.50E-06	0.00E+00	1.88E-03	2.10E-03	1.88E-03	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	2.10E-03
1072	ALL	residential	484830.6	3619325	NonCancer	1.85E-03	1.91E-03	0.00E+00	1.47E-06	0.00E+00	1.85E-03	2.10E-03	1.85E-03	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	2.10E-03
752	ALL	residential	487030.6	3618625	NonCancer	1.88E-03	1.94E-03	0.00E+00	1.49E-06	0.00E+00	1.88E-03	2.09E-03	1.88E-03	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	2.09E-03
1449	ALL	residential	485930.6	3620125	NonCancer	1.89E-03	1.95E-03	0.00E+00	1.50E-06	0.00E+00	1.89E-03	2.09E-03	1.89E-03	0.00E+00	0.00E+00	0.00E+00	2.23E-05	0.00E+00	0.00E+00	2.09E-03
957	ALL	residential	484730.6	3619125	NonCancer	1.79E-03	1.86E-03	0.00E+00	1.42E-06	0.00E+00	1.79E-03	2.08E-03	1.79E-03	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	2.08E-03
368	ALL	residential	483930.6	3617625	NonCancer	1.79E-03	1.85E-03	0.00E+00	1.42E-06	0.00E+00	1.79E-03	2.07E-03	1.79E-03	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	2.07E-03
1489	ALL	residential	485430.6	3620225	NonCancer	1.88E-03	1.94E-03	0.00E+00	1.49E-06	0.00E+00	1.88E-03	2.07E-03	1.88E-03	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	2.07E-03
322	ALL	residential	488430.6	3617425	NonCancer	1.86E-03	1.93E-03	0.00E+00	1.48E-06	0.00E+00	1.86E-03	2.06E-03	1.86E-03	0.00E+00	0.00E+00	0.00E+00	2.20E-05	0.00E+00	0.00E+00	2.06E-03
614	ALL	residential	487130.6	3618225	NonCancer	1.85E-03	1.91E-03	0.00E+00	1.47E-06	0.00E+00	1.85E-03	2.06E-03	1.85E-03	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	2.06E-03
1091	ALL	residential	486830.6	3619325	NonCancer	1.85E-03	1.92E-03	0.00E+00	1.47E-06	0.00E+00	1.85E-03	2.06E-03	1.85E-03	0.00E+00	0.00E+00	0.00E+00	2.19E-05	0.00E+00	0.00E+00	2.06E-03
449	ALL	residential	483830.6	3617825	NonCancer	1.75E-03	1.81E-03	0.00E+00	1.39E-06	0.00E+00	1.75E-03	2.06E-03	1.75E-03	0.00E+00	0.00E+00	0.00E+00	2.07E-05	0.00E+00	0.00E+00	2.06E-03
1308	ALL	residential	485030.6	3619825	NonCancer	1.83E-03	1.90E-03	0.00E+00	1.46E-06	0.00E+00	1.83E-03	2.04E-03	1.83E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-05	0.00E+00	0.00E+00	2.04E-03
790	ALL	residential	487030.6	3618725	NonCancer	1.83E-03	1.89E-03	0.00E+00	1.45E-06	0.00E+00	1.83E-03	2.04E-03	1.83E-03	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	2.04E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
902	ALL	residential	484630.6	3619025	NonCancer	1.72E-03	1.79E-03	0.00E+00	1.37E-06	0.00E+00	1.72E-03	2.04E-03	1.72E-03	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	2.04E-03
310	ALL	residential	484030.6	3617425	NonCancer	1.77E-03	1.83E-03	0.00E+00	1.41E-06	0.00E+00	1.77E-03	2.04E-03	1.77E-03	0.00E+00	0.00E+00	0.00E+00	2.09E-05	0.00E+00	0.00E+00	2.04E-03
387	ALL	residential	488130.6	3617625	NonCancer	1.84E-03	1.91E-03	0.00E+00	1.46E-06	0.00E+00	1.84E-03	2.03E-03	1.84E-03	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	2.03E-03
267	ALL	residential	484130.6	3617225	NonCancer	1.78E-03	1.84E-03	0.00E+00	1.41E-06	0.00E+00	1.78E-03	2.03E-03	1.78E-03	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	2.03E-03
978	ALL	residential	486930.6	3619125	NonCancer	1.82E-03	1.88E-03	0.00E+00	1.45E-06	0.00E+00	1.82E-03	2.03E-03	1.82E-03	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	2.03E-03
262	ALL	residential	488830.6	3617125	NonCancer	1.83E-03	1.89E-03	0.00E+00	1.45E-06	0.00E+00	1.83E-03	2.03E-03	1.83E-03	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	2.03E-03
1227	ALL	residential	484930.6	3619625	NonCancer	1.80E-03	1.87E-03	0.00E+00	1.43E-06	0.00E+00	1.80E-03	2.02E-03	1.80E-03	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	2.02E-03
543	ALL	residential	487330.6	3618025	NonCancer	1.82E-03	1.88E-03	0.00E+00	1.44E-06	0.00E+00	1.82E-03	2.02E-03	1.82E-03	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	2.02E-03
426	ALL	residential	487930.6	3617725	NonCancer	1.83E-03	1.89E-03	0.00E+00	1.45E-06	0.00E+00	1.83E-03	2.01E-03	1.83E-03	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	2.01E-03
1442	ALL	residential	485230.6	3620125	NonCancer	1.82E-03	1.88E-03	0.00E+00	1.44E-06	0.00E+00	1.82E-03	2.01E-03	1.82E-03	0.00E+00	0.00E+00	0.00E+00	2.15E-05	0.00E+00	0.00E+00	2.01E-03
531	ALL	residential	483730.6	3618025	NonCancer	1.68E-03	1.74E-03	0.00E+00	1.33E-06	0.00E+00	1.68E-03	2.01E-03	1.68E-03	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	2.01E-03
1488	ALL	residential	485330.6	3620225	NonCancer	1.81E-03	1.88E-03	0.00E+00	1.44E-06	0.00E+00	1.81E-03	2.00E-03	1.81E-03	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	2.00E-03
353	ALL	residential	488330.6	3617525	NonCancer	1.81E-03	1.87E-03	0.00E+00	1.44E-06	0.00E+00	1.81E-03	2.00E-03	1.81E-03	0.00E+00	0.00E+00	0.00E+00	2.14E-05	0.00E+00	0.00E+00	2.00E-03
828	ALL	residential	487030.6	3618825	NonCancer	1.79E-03	1.85E-03	0.00E+00	1.42E-06	0.00E+00	1.79E-03	2.00E-03	1.79E-03	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	2.00E-03
1130	ALL	residential	484830.6	3619425	NonCancer	1.76E-03	1.82E-03	0.00E+00	1.40E-06	0.00E+00	1.76E-03	2.00E-03	1.76E-03	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	2.00E-03
1395	ALL	residential	485130.6	3620025	NonCancer	1.79E-03	1.86E-03	0.00E+00	1.42E-06	0.00E+00	1.79E-03	1.99E-03	1.79E-03	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	1.99E-03
580	ALL	residential	487230.6	3618125	NonCancer	1.78E-03	1.84E-03	0.00E+00	1.42E-06	0.00E+00	1.78E-03	1.98E-03	1.78E-03	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	1.98E-03
646	ALL	residential	487130.6	3618325	NonCancer	1.77E-03	1.83E-03	0.00E+00	1.41E-06	0.00E+00	1.77E-03	1.98E-03	1.77E-03	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	1.98E-03
334	ALL	residential	483930.6	3617525	NonCancer	1.71E-03	1.77E-03	0.00E+00	1.36E-06	0.00E+00	1.71E-03	1.98E-03	1.71E-03	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	1.98E-03
406	ALL	residential	483830.6	3617725	NonCancer	1.69E-03	1.75E-03	0.00E+00	1.34E-06	0.00E+00	1.69E-03	1.98E-03	1.69E-03	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	1.98E-03
1034	ALL	residential	486930.6	3619225	NonCancer	1.76E-03	1.82E-03	0.00E+00	1.40E-06	0.00E+00	1.76E-03	1.96E-03	1.76E-03	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	1.96E-03
490	ALL	residential	483730.6	3617925	NonCancer	1.65E-03	1.71E-03	0.00E+00	1.31E-06	0.00E+00	1.65E-03	1.96E-03	1.65E-03	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	1.96E-03
285	ALL	residential	484030.6	3617325	NonCancer	1.70E-03	1.76E-03	0.00E+00	1.35E-06	0.00E+00	1.70E-03	1.95E-03	1.70E-03	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	1.95E-03
870	ALL	residential	487030.6	3618925	NonCancer	1.74E-03	1.80E-03	0.00E+00	1.38E-06	0.00E+00	1.74E-03	1.95E-03	1.74E-03	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	1.95E-03
1531	ALL	residential	485430.6	3620325	NonCancer	1.76E-03	1.82E-03	0.00E+00	1.40E-06	0.00E+00	1.76E-03	1.95E-03	1.76E-03	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	1.95E-03
680	ALL	residential	487130.6	3618425	NonCancer	1.74E-03	1.80E-03	0.00E+00	1.38E-06	0.00E+00	1.74E-03	1.94E-03	1.74E-03	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	1.94E-03
1149	ALL	residential	486830.6	3619425	NonCancer	1.74E-03	1.81E-03	0.00E+00	1.39E-06	0.00E+00	1.74E-03	1.94E-03	1.74E-03	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	1.94E-03
254	ALL	residential	484130.6	3617125	NonCancer	1.70E-03	1.76E-03	0.00E+00	1.35E-06	0.00E+00	1.70E-03	1.94E-03	1.70E-03	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	1.94E-03
1350	ALL	residential	485030.6	3619925	NonCancer	1.74E-03	1.80E-03	0.00E+00	1.38E-06	0.00E+00	1.74E-03	1.94E-03	1.74E-03	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	1.94E-03
1268	ALL	residential	484930.6	3619725	NonCancer	1.73E-03	1.79E-03	0.00E+00	1.37E-06	0.00E+00	1.73E-03	1.93E-03	1.73E-03	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	1.93E-03
241	ALL	residential	489130.6	3616925	NonCancer	1.74E-03	1.80E-03	0.00E+00	1.38E-06	0.00E+00	1.74E-03	1.93E-03	1.74E-03	0.00E+00	0.00E+00	0.00E+00	2.06E-05	0.00E+00	0.00E+00	1.93E-03
1984	ALL	Worker	484500	3618900	NonCancer	1.56E-03	1.62E-03	0.00E+00	1.24E-06	0.00E+00	1.56E-03	1.92E-03	1.56E-03	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	1.92E-03
1013	ALL	residential	484730.6	3619225	NonCancer	1.66E-03	1.72E-03	0.00E+00	1.32E-06	0.00E+00	1.66E-03	1.92E-03	1.66E-03	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	1.92E-03
252	ALL	residential	489030.6	3617025	NonCancer	1.73E-03	1.79E-03	0.00E+00	1.37E-06	0.00E+00	1.73E-03	1.92E-03	1.73E-03	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	1.92E-03
323	ALL	residential	488530.6	3617425	NonCancer	1.73E-03	1.79E-03	0.00E+00	1.38E-06	0.00E+00	1.73E-03	1.92E-03	1.73E-03	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	1.92E-03
388	ALL	residential	488230.6	3617625	NonCancer	1.73E-03	1.79E-03	0.00E+00	1.37E-06	0.00E+00	1.73E-03	1.91E-03	1.73E-03	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	1.91E-03
715	ALL	residential	487130.6	3618525	NonCancer	1.71E-03	1.77E-03	0.00E+00	1.36E-06	0.00E+00	1.71E-03	1.91E-03	1.71E-03	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	1.91E-03
956	ALL	residential	484630.6	3619125	NonCancer	1.62E-03	1.68E-03	0.00E+00	1.29E-06	0.00E+00	1.62E-03	1.91E-03	1.62E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	1.91E-03
367	ALL	residential	483830.6	3617625	NonCancer	1.63E-03	1.69E-03	0.00E+00	1.30E-06	0.00E+00	1.63E-03	1.91E-03	1.63E-03	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	1.91E-03
263	ALL	residential	488930.6	3617125	NonCancer	1.71E-03	1.77E-03	0.00E+00	1.36E-06	0.00E+00	1.71E-03	1.90E-03	1.71E-03	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	1.90E-03
1487	ALL	residential	485230.6	3620225	NonCancer	1.71E-03	1.77E-03	0.00E+00	1.36E-06	0.00E+00	1.71E-03	1.90E-03	1.71E-03	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	1.90E-03
427	ALL	residential	488030.6	3617725	NonCancer	1.72E-03	1.78E-03	0.00E+00	1.36E-06	0.00E+00	1.72E-03	1.90E-03	1.72E-03	0.00E+00	0.00E+00	0.00E+00	2.03E-05	0.00E+00	0.00E+00	1.90E-03
925	ALL	residential	487030.6	3619025	NonCancer	1.70E-03	1.76E-03	0.00E+00	1.35E-06	0.00E+00	1.70E-03	1.90E-03	1.70E-03	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	1.90E-03
448	ALL	residential	483730.6	3617825	NonCancer	1.60E-03	1.66E-03	0.00E+00	1.27E-06	0.00E+00	1.60E-03	1.89E-03	1.60E-03	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	1.89E-03
1185	ALL	residential	484830.6	3619525	NonCancer	1.67E-03	1.73E-03	0.00E+00	1.33E-06	0.00E+00	1.67E-03	1.89E-03	1.67E-03	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	1.89E-03
1530	ALL	residential	485330.6	3620325	NonCancer	1.71E-03	1.77E-03	0.00E+00	1.36E-06	0.00E+00	1.71E-03	1.89E-03	1.71E-03	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	1.89E-03
569	ALL	residential	483630.6	3618125	NonCancer	1.55E-03	1.61E-03	0.00E+00	1.23E-06	0.00E+00	1.55E-03	1.89E-03	1.55E-03	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	1.89E-03
1092	ALL	residential	486930.6	3619325	NonCancer	1.69E-03	1.75E-03	0.00E+00	1.34E-06	0.00E+00	1.69E-03	1.88E-03	1.69E-03	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	1.88E-03
1441	ALL	residential	485130.6	3620125	NonCancer	1.69E-03	1.75E-03	0.00E+00	1.35E-06	0.00E+00	1.69E-03	1.88E-03	1.69E-03	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	1.88E-03
753	ALL	residential	487130.6	3618625	NonCancer	1.68E-03	1.74E-03	0.00E+00	1.33E-06	0.00E+00	1.68E-03	1.88E-03	1.68E-03	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	1.88E-03
309	ALL	residential	483930.6	3617425	NonCancer	1.62E-03	1.68E-03	0.00E+00	1.29E-06	0.00E+00	1.62E-03	1.87E-03	1.62E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	1.87E-03
279	ALL	residential	488830.6	3617225	NonCancer	1.69E-03	1.75E-03	0.00E+00	1.34E-06	0.00E+00	1.69E-03	1.87E-03	1.69E-03	0.00E+00	0.00E+00	0.00E+00	2.00E-05	0.00E+00	0.00E+00	1.87E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
266	ALL	residential	484030.6	3617225	NonCancer	1.63E-03	1.69E-03	0.00E+00	1.29E-06	0.00E+00	1.63E-03	1.87E-03	1.63E-03	0.00E+00	0.00E+00	0.00E+00	1.93E-05	0.00E+00	0.00E+00	1.87E-03
354	ALL	residential	488430.6	3617525	NonCancer	1.68E-03	1.74E-03	0.00E+00	1.34E-06	0.00E+00	1.68E-03	1.86E-03	1.68E-03	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	1.86E-03
530	ALL	residential	483630.6	3618025	NonCancer	1.54E-03	1.60E-03	0.00E+00	1.23E-06	0.00E+00	1.54E-03	1.86E-03	1.54E-03	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	1.86E-03
615	ALL	residential	487230.6	3618225	NonCancer	1.65E-03	1.71E-03	0.00E+00	1.31E-06	0.00E+00	1.66E-03	1.85E-03	1.65E-03	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	1.85E-03
901	ALL	residential	484530.6	3619025	NonCancer	1.52E-03	1.58E-03	0.00E+00	1.21E-06	0.00E+00	1.53E-03	1.85E-03	1.52E-03	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	1.85E-03
1307	ALL	residential	484930.6	3619825	NonCancer	1.65E-03	1.71E-03	0.00E+00	1.31E-06	0.00E+00	1.65E-03	1.85E-03	1.65E-03	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	1.85E-03
544	ALL	residential	487430.6	3618025	NonCancer	1.66E-03	1.72E-03	0.00E+00	1.32E-06	0.00E+00	1.66E-03	1.85E-03	1.66E-03	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	1.85E-03
791	ALL	residential	487130.6	3618725	NonCancer	1.64E-03	1.70E-03	0.00E+00	1.30E-06	0.00E+00	1.64E-03	1.84E-03	1.64E-03	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	1.84E-03
979	ALL	residential	487030.6	3619125	NonCancer	1.64E-03	1.70E-03	0.00E+00	1.30E-06	0.00E+00	1.64E-03	1.84E-03	1.64E-03	0.00E+00	0.00E+00	0.00E+00	1.94E-05	0.00E+00	0.00E+00	1.84E-03
1394	ALL	residential	485030.6	3620025	NonCancer	1.65E-03	1.70E-03	0.00E+00	1.31E-06	0.00E+00	1.65E-03	1.83E-03	1.65E-03	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	1.83E-03
1571	ALL	residential	485430.6	3620425	NonCancer	1.65E-03	1.71E-03	0.00E+00	1.31E-06	0.00E+00	1.65E-03	1.83E-03	1.65E-03	0.00E+00	0.00E+00	0.00E+00	1.96E-05	0.00E+00	0.00E+00	1.83E-03
1071	ALL	residential	484730.6	3619325	NonCancer	1.58E-03	1.64E-03	0.00E+00	1.26E-06	0.00E+00	1.58E-03	1.83E-03	1.58E-03	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	1.83E-03
333	ALL	residential	483830.6	3617525	NonCancer	1.57E-03	1.62E-03	0.00E+00	1.25E-06	0.00E+00	1.57E-03	1.83E-03	1.57E-03	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	1.83E-03
405	ALL	residential	483730.6	3617725	NonCancer	1.55E-03	1.60E-03	0.00E+00	1.23E-06	0.00E+00	1.55E-03	1.82E-03	1.55E-03	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	1.82E-03
1992	ALL	Worker	484500	3619000	NonCancer	1.49E-03	1.54E-03	0.00E+00	1.18E-06	0.00E+00	1.49E-03	1.82E-03	1.49E-03	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	1.82E-03
489	ALL	residential	483630.6	3617925	NonCancer	1.52E-03	1.57E-03	0.00E+00	1.20E-06	0.00E+00	1.52E-03	1.81E-03	1.52E-03	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	1.81E-03
1226	ALL	residential	484830.6	3619625	NonCancer	1.60E-03	1.65E-03	0.00E+00	1.27E-06	0.00E+00	1.60E-03	1.81E-03	1.60E-03	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	1.81E-03
253	ALL	residential	489130.6	3617025	NonCancer	1.62E-03	1.68E-03	0.00E+00	1.29E-06	0.00E+00	1.62E-03	1.81E-03	1.62E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-05	0.00E+00	0.00E+00	1.81E-03
1150	ALL	residential	486930.6	3619425	NonCancer	1.61E-03	1.67E-03	0.00E+00	1.28E-06	0.00E+00	1.61E-03	1.80E-03	1.61E-03	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	1.80E-03
829	ALL	residential	487130.6	3618825	NonCancer	1.60E-03	1.66E-03	0.00E+00	1.27E-06	0.00E+00	1.60E-03	1.80E-03	1.60E-03	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	1.80E-03
581	ALL	residential	487330.6	3618125	NonCancer	1.61E-03	1.67E-03	0.00E+00	1.28E-06	0.00E+00	1.61E-03	1.80E-03	1.61E-03	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	1.80E-03
1983	ALL	Worker	484400	3618900	NonCancer	1.42E-03	1.47E-03	0.00E+00	1.13E-06	0.00E+00	1.42E-03	1.80E-03	1.42E-03	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	1.80E-03
284	ALL	residential	483930.6	3617325	NonCancer	1.55E-03	1.61E-03	0.00E+00	1.23E-06	0.00E+00	1.55E-03	1.80E-03	1.55E-03	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	1.80E-03
1529	ALL	residential	485230.6	3620325	NonCancer	1.62E-03	1.67E-03	0.00E+00	1.28E-06	0.00E+00	1.62E-03	1.79E-03	1.62E-03	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	1.79E-03
389	ALL	residential	488330.6	3617625	NonCancer	1.62E-03	1.67E-03	0.00E+00	1.28E-06	0.00E+00	1.62E-03	1.79E-03	1.62E-03	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	1.79E-03
428	ALL	residential	488130.6	3617725	NonCancer	1.62E-03	1.67E-03	0.00E+00	1.28E-06	0.00E+00	1.62E-03	1.79E-03	1.62E-03	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	1.79E-03
264	ALL	residential	489030.6	3617125	NonCancer	1.61E-03	1.66E-03	0.00E+00	1.28E-06	0.00E+00	1.61E-03	1.79E-03	1.61E-03	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	1.79E-03
1486	ALL	residential	485130.6	3620225	NonCancer	1.61E-03	1.66E-03	0.00E+00	1.28E-06	0.00E+00	1.61E-03	1.79E-03	1.61E-03	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	1.79E-03
1035	ALL	residential	487030.6	3619225	NonCancer	1.60E-03	1.65E-03	0.00E+00	1.27E-06	0.00E+00	1.60E-03	1.79E-03	1.60E-03	0.00E+00	0.00E+00	0.00E+00	1.89E-05	0.00E+00	0.00E+00	1.79E-03
1570	ALL	residential	485330.6	3620425	NonCancer	1.61E-03	1.67E-03	0.00E+00	1.28E-06	0.00E+00	1.61E-03	1.78E-03	1.61E-03	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	1.78E-03
647	ALL	residential	487230.6	3618325	NonCancer	1.58E-03	1.64E-03	0.00E+00	1.26E-06	0.00E+00	1.58E-03	1.78E-03	1.58E-03	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	1.78E-03
871	ALL	residential	487130.6	3618925	NonCancer	1.57E-03	1.63E-03	0.00E+00	1.25E-06	0.00E+00	1.58E-03	1.77E-03	1.57E-03	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	1.77E-03
366	ALL	residential	483730.6	3617625	NonCancer	1.50E-03	1.55E-03	0.00E+00	1.19E-06	0.00E+00	1.50E-03	1.76E-03	1.50E-03	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	1.76E-03
1349	ALL	residential	484930.6	3619925	NonCancer	1.57E-03	1.63E-03	0.00E+00	1.25E-06	0.00E+00	1.57E-03	1.76E-03	1.57E-03	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	1.76E-03
280	ALL	residential	488930.6	3617225	NonCancer	1.58E-03	1.64E-03	0.00E+00	1.26E-06	0.00E+00	1.58E-03	1.76E-03	1.58E-03	0.00E+00	0.00E+00	0.00E+00	1.87E-05	0.00E+00	0.00E+00	1.76E-03
568	ALL	residential	483530.6	3618125	NonCancer	1.44E-03	1.49E-03	0.00E+00	1.15E-06	0.00E+00	1.44E-03	1.76E-03	1.44E-03	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	1.76E-03
681	ALL	residential	487230.6	3618425	NonCancer	1.57E-03	1.62E-03	0.00E+00	1.24E-06	0.00E+00	1.57E-03	1.76E-03	1.57E-03	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	1.76E-03
447	ALL	residential	483630.6	3617825	NonCancer	1.47E-03	1.53E-03	0.00E+00	1.17E-06	0.00E+00	1.47E-03	1.75E-03	1.47E-03	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	1.75E-03
1440	ALL	residential	485030.6	3620125	NonCancer	1.56E-03	1.62E-03	0.00E+00	1.24E-06	0.00E+00	1.56E-03	1.74E-03	1.56E-03	0.00E+00	0.00E+00	0.00E+00	1.85E-05	0.00E+00	0.00E+00	1.74E-03
355	ALL	residential	488530.6	3617525	NonCancer	1.57E-03	1.62E-03	0.00E+00	1.25E-06	0.00E+00	1.57E-03	1.74E-03	1.57E-03	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	1.74E-03
1129	ALL	residential	484730.6	3619425	NonCancer	1.51E-03	1.56E-03	0.00E+00	1.20E-06	0.00E+00	1.51E-03	1.74E-03	1.51E-03	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	1.74E-03
468	ALL	residential	487930.6	3617825	NonCancer	1.57E-03	1.62E-03	0.00E+00	1.25E-06	0.00E+00	1.57E-03	1.74E-03	1.57E-03	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	1.74E-03
308	ALL	residential	483830.6	3617425	NonCancer	1.49E-03	1.54E-03	0.00E+00	1.18E-06	0.00E+00	1.49E-03	1.74E-03	1.49E-03	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	1.74E-03
1267	ALL	residential	484830.6	3619725	NonCancer	1.53E-03	1.59E-03	0.00E+00	1.22E-06	0.00E+00	1.53E-03	1.74E-03	1.53E-03	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	1.74E-03
955	ALL	residential	484530.6	3619125	NonCancer	1.44E-03	1.49E-03	0.00E+00	1.14E-06	0.00E+00	1.44E-03	1.73E-03	1.44E-03	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	1.73E-03
716	ALL	residential	487230.6	3618525	NonCancer	1.55E-03	1.60E-03	0.00E+00	1.23E-06	0.00E+00	1.55E-03	1.73E-03	1.55E-03	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	1.73E-03
302	ALL	residential	488830.6	3617325	NonCancer	1.55E-03	1.61E-03	0.00E+00	1.23E-06	0.00E+00	1.55E-03	1.73E-03	1.55E-03	0.00E+00	0.00E+00	0.00E+00	1.84E-05	0.00E+00	0.00E+00	1.73E-03
529	ALL	residential	483530.6	3618025	NonCancer	1.43E-03	1.48E-03	0.00E+00	1.13E-06	0.00E+00	1.43E-03	1.72E-03	1.43E-03	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	1.72E-03
926	ALL	residential	487130.6	3619025	NonCancer	1.54E-03	1.59E-03	0.00E+00	1.22E-06	0.00E+00	1.54E-03	1.72E-03	1.54E-03	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	1.72E-03
1093	ALL	residential	487030.6	3619325	NonCancer	1.54E-03	1.59E-03	0.00E+00	1.22E-06	0.00E+00	1.54E-03	1.72E-03	1.54E-03	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	1.72E-03
1012	ALL	residential	484630.6	3619225	NonCancer	1.45E-03	1.51E-03	0.00E+00	1.16E-06	0.00E+00	1.45E-03	1.72E-03	1.45E-03	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	1.72E-03
1609	ALL	residential	485430.6	3620525	NonCancer	1.54E-03	1.59E-03	0.00E+00	1.22E-06	0.00E+00	1.54E-03	1.71E-03	1.54E-03	0.00E+00	0.00E+00	0.00E+00	1.82E-05	0.00E+00	0.00E+00	1.71E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
754	ALL	residential	487230.6	3618625	NonCancer	1.52E-03	1.57E-03	0.00E+00	1.21E-06	0.00E+00	1.52E-03	1.70E-03	1.52E-03	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	1.70E-03
1569	ALL	residential	485230.6	3620425	NonCancer	1.53E-03	1.58E-03	0.00E+00	1.22E-06	0.00E+00	1.53E-03	1.70E-03	1.53E-03	0.00E+00	0.00E+00	0.00E+00	1.81E-05	0.00E+00	0.00E+00	1.70E-03
332	ALL	residential	483730.6	3617525	NonCancer	1.45E-03	1.50E-03	0.00E+00	1.15E-06	0.00E+00	1.45E-03	1.70E-03	1.45E-03	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	1.70E-03
404	ALL	residential	483630.6	3617725	NonCancer	1.43E-03	1.48E-03	0.00E+00	1.13E-06	0.00E+00	1.43E-03	1.69E-03	1.43E-03	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	1.69E-03
1528	ALL	residential	485130.6	3620325	NonCancer	1.52E-03	1.57E-03	0.00E+00	1.21E-06	0.00E+00	1.52E-03	1.69E-03	1.52E-03	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	1.69E-03
429	ALL	residential	488230.6	3617725	NonCancer	1.52E-03	1.58E-03	0.00E+00	1.21E-06	0.00E+00	1.52E-03	1.69E-03	1.52E-03	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00	0.00E+00	1.69E-03
1991	ALL	Worker	484400	3619000	NonCancer	1.34E-03	1.38E-03	0.00E+00	1.06E-06	0.00E+00	1.34E-03	1.68E-03	1.34E-03	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	1.68E-03
488	ALL	residential	483530.6	3617925	NonCancer	1.40E-03	1.45E-03	0.00E+00	1.11E-06	0.00E+00	1.40E-03	1.68E-03	1.40E-03	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	1.68E-03
1608	ALL	residential	485330.6	3620525	NonCancer	1.51E-03	1.57E-03	0.00E+00	1.20E-06	0.00E+00	1.52E-03	1.68E-03	1.51E-03	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	1.68E-03
324	ALL	residential	488730.6	3617425	NonCancer	1.51E-03	1.57E-03	0.00E+00	1.20E-06	0.00E+00	1.51E-03	1.68E-03	1.51E-03	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	1.68E-03
265	ALL	residential	489130.6	3617125	NonCancer	1.51E-03	1.56E-03	0.00E+00	1.20E-06	0.00E+00	1.51E-03	1.68E-03	1.51E-03	0.00E+00	0.00E+00	0.00E+00	1.78E-05	0.00E+00	0.00E+00	1.68E-03
390	ALL	residential	488430.6	3617625	NonCancer	1.51E-03	1.56E-03	0.00E+00	1.20E-06	0.00E+00	1.51E-03	1.68E-03	1.51E-03	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	1.68E-03
1393	ALL	residential	484930.6	3620025	NonCancer	1.49E-03	1.55E-03	0.00E+00	1.19E-06	0.00E+00	1.49E-03	1.67E-03	1.49E-03	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	1.67E-03
980	ALL	residential	487130.6	3619125	NonCancer	1.49E-03	1.54E-03	0.00E+00	1.18E-06	0.00E+00	1.49E-03	1.67E-03	1.49E-03	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	1.67E-03
1306	ALL	residential	484830.6	3619825	NonCancer	1.48E-03	1.53E-03	0.00E+00	1.17E-06	0.00E+00	1.48E-03	1.67E-03	1.48E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	1.67E-03
792	ALL	residential	487230.6	3618725	NonCancer	1.48E-03	1.54E-03	0.00E+00	1.18E-06	0.00E+00	1.48E-03	1.66E-03	1.48E-03	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	1.66E-03
616	ALL	residential	487330.6	3618225	NonCancer	1.48E-03	1.54E-03	0.00E+00	1.18E-06	0.00E+00	1.48E-03	1.66E-03	1.48E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	1.66E-03
1184	ALL	residential	484730.6	3619525	NonCancer	1.45E-03	1.50E-03	0.00E+00	1.15E-06	0.00E+00	1.45E-03	1.66E-03	1.45E-03	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	1.66E-03
1485	ALL	residential	485030.6	3620225	NonCancer	1.49E-03	1.54E-03	0.00E+00	1.18E-06	0.00E+00	1.49E-03	1.66E-03	1.49E-03	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	1.66E-03
283	ALL	residential	483830.6	3617325	NonCancer	1.42E-03	1.48E-03	0.00E+00	1.13E-06	0.00E+00	1.43E-03	1.66E-03	1.42E-03	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	1.66E-03
281	ALL	residential	489030.6	3617225	NonCancer	1.48E-03	1.54E-03	0.00E+00	1.18E-06	0.00E+00	1.48E-03	1.65E-03	1.48E-03	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	1.65E-03
469	ALL	residential	488030.6	3617825	NonCancer	1.49E-03	1.54E-03	0.00E+00	1.18E-06	0.00E+00	1.49E-03	1.65E-03	1.49E-03	0.00E+00	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	1.65E-03
1151	ALL	residential	487030.6	3619425	NonCancer	1.47E-03	1.53E-03	0.00E+00	1.17E-06	0.00E+00	1.47E-03	1.65E-03	1.47E-03	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	1.65E-03
582	ALL	residential	487430.6	3618125	NonCancer	1.47E-03	1.52E-03	0.00E+00	1.17E-06	0.00E+00	1.47E-03	1.65E-03	1.47E-03	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	0.00E+00	1.65E-03
567	ALL	residential	483430.6	3618125	NonCancer	1.34E-03	1.39E-03	0.00E+00	1.07E-06	0.00E+00	1.34E-03	1.64E-03	1.34E-03	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	1.64E-03
365	ALL	residential	483630.6	3617625	NonCancer	1.39E-03	1.43E-03	0.00E+00	1.10E-06	0.00E+00	1.39E-03	1.64E-03	1.39E-03	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	1.64E-03
446	ALL	residential	483530.6	3617825	NonCancer	1.36E-03	1.41E-03	0.00E+00	1.08E-06	0.00E+00	1.36E-03	1.63E-03	1.36E-03	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	1.63E-03
830	ALL	residential	487230.6	3618825	NonCancer	1.45E-03	1.50E-03	0.00E+00	1.15E-06	0.00E+00	1.45E-03	1.63E-03	1.45E-03	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	1.63E-03
1036	ALL	residential	487130.6	3619225	NonCancer	1.45E-03	1.50E-03	0.00E+00	1.15E-06	0.00E+00	1.45E-03	1.63E-03	1.45E-03	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	1.63E-03
303	ALL	residential	488930.6	3617325	NonCancer	1.46E-03	1.51E-03	0.00E+00	1.16E-06	0.00E+00	1.46E-03	1.62E-03	1.46E-03	0.00E+00	0.00E+00	0.00E+00	1.72E-05	0.00E+00	0.00E+00	1.62E-03
307	ALL	residential	483730.6	3617425	NonCancer	1.38E-03	1.43E-03	0.00E+00	1.10E-06	0.00E+00	1.38E-03	1.62E-03	1.38E-03	0.00E+00	0.00E+00	0.00E+00	1.63E-05	0.00E+00	0.00E+00	1.62E-03
1070	ALL	residential	484630.6	3619325	NonCancer	1.37E-03	1.42E-03	0.00E+00	1.09E-06	0.00E+00	1.37E-03	1.61E-03	1.37E-03	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	1.61E-03
648	ALL	residential	487330.6	3618325	NonCancer	1.43E-03	1.49E-03	0.00E+00	1.14E-06	0.00E+00	1.44E-03	1.61E-03	1.43E-03	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	1.61E-03
528	ALL	residential	483430.6	3618025	NonCancer	1.32E-03	1.37E-03	0.00E+00	1.05E-06	0.00E+00	1.32E-03	1.61E-03	1.32E-03	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	1.61E-03
1607	ALL	residential	485230.6	3620525	NonCancer	1.45E-03	1.50E-03	0.00E+00	1.15E-06	0.00E+00	1.45E-03	1.61E-03	1.45E-03	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	1.61E-03
1225	ALL	residential	484730.6	3619625	NonCancer	1.40E-03	1.45E-03	0.00E+00	1.11E-06	0.00E+00	1.40E-03	1.61E-03	1.40E-03	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	1.61E-03
1568	ALL	residential	485130.6	3620425	NonCancer	1.44E-03	1.49E-03	0.00E+00	1.14E-06	0.00E+00	1.44E-03	1.60E-03	1.44E-03	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	1.60E-03
954	ALL	residential	484430.6	3619125	NonCancer	1.30E-03	1.34E-03	0.00E+00	1.03E-06	0.00E+00	1.30E-03	1.60E-03	1.30E-03	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	1.60E-03
1639	ALL	residential	485430.6	3620625	NonCancer	1.44E-03	1.49E-03	0.00E+00	1.14E-06	0.00E+00	1.44E-03	1.60E-03	1.44E-03	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	1.60E-03
1439	ALL	residential	484930.6	3620125	NonCancer	1.42E-03	1.47E-03	0.00E+00	1.13E-06	0.00E+00	1.42E-03	1.60E-03	1.42E-03	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	1.60E-03
1348	ALL	residential	484830.6	3619925	NonCancer	1.41E-03	1.46E-03	0.00E+00	1.12E-06	0.00E+00	1.41E-03	1.60E-03	1.41E-03	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	1.60E-03
872	ALL	residential	487230.6	3618925	NonCancer	1.42E-03	1.47E-03	0.00E+00	1.13E-06	0.00E+00	1.42E-03	1.60E-03	1.42E-03	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	1.60E-03
430	ALL	residential	488330.6	3617725	NonCancer	1.44E-03	1.49E-03	0.00E+00	1.14E-06	0.00E+00	1.44E-03	1.60E-03	1.44E-03	0.00E+00	0.00E+00	0.00E+00	1.70E-05	0.00E+00	0.00E+00	1.60E-03
1996	ALL	Worker	484400	3619100	NonCancer	1.28E-03	1.32E-03	0.00E+00	1.02E-06	0.00E+00	1.28E-03	1.59E-03	1.28E-03	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	1.59E-03
682	ALL	residential	487330.6	3618425	NonCancer	1.41E-03	1.46E-03	0.00E+00	1.12E-06	0.00E+00	1.41E-03	1.59E-03	1.41E-03	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	1.59E-03
1011	ALL	residential	484530.6	3619225	NonCancer	1.32E-03	1.37E-03	0.00E+00	1.05E-06	0.00E+00	1.32E-03	1.59E-03	1.32E-03	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	1.59E-03
1990	ALL	Worker	484300	3619000	NonCancer	1.22E-03	1.27E-03	0.00E+00	9.73E-07	0.00E+00	1.22E-03	1.59E-03	1.22E-03	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	1.59E-03
1638	ALL	residential	485330.6	3620625	NonCancer	1.43E-03	1.48E-03	0.00E+00	1.13E-06	0.00E+00	1.43E-03	1.59E-03	1.43E-03	0.00E+00	0.00E+00	0.00E+00	1.69E-05	0.00E+00	0.00E+00	1.59E-03
1527	ALL	residential	485030.6	3620325	NonCancer	1.41E-03	1.46E-03	0.00E+00	1.12E-06	0.00E+00	1.41E-03	1.58E-03	1.41E-03	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	1.58E-03
325	ALL	residential	488830.6	3617425	NonCancer	1.42E-03	1.47E-03	0.00E+00	1.13E-06	0.00E+00	1.42E-03	1.58E-03	1.42E-03	0.00E+00	0.00E+00	0.00E+00	1.68E-05	0.00E+00	0.00E+00	1.58E-03
331	ALL	residential	483630.6	3617525	NonCancer	1.34E-03	1.39E-03	0.00E+00	1.06E-06	0.00E+00	1.34E-03	1.58E-03	1.34E-03	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	1.58E-03
403	ALL	residential	483530.6	3617725	NonCancer	1.32E-03	1.37E-03	0.00E+00	1.05E-06	0.00E+00	1.32E-03	1.58E-03	1.32E-03	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	1.58E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
717	ALL	residential	487330.6	3618525	NonCancer	1.40E-03	1.45E-03	0.00E+00	1.11E-06	0.00E+00	1.40E-03	1.57E-03	1.40E-03	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	1.57E-03
1094	ALL	residential	487130.6	3619325	NonCancer	1.40E-03	1.45E-03	0.00E+00	1.11E-06	0.00E+00	1.40E-03	1.57E-03	1.40E-03	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	1.57E-03
487	ALL	residential	483430.6	3617925	NonCancer	1.30E-03	1.35E-03	0.00E+00	1.03E-06	0.00E+00	1.30E-03	1.57E-03	1.30E-03	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	1.57E-03
391	ALL	residential	488530.6	3617625	NonCancer	1.41E-03	1.46E-03	0.00E+00	1.12E-06	0.00E+00	1.41E-03	1.57E-03	1.41E-03	0.00E+00	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	1.57E-03
927	ALL	residential	487230.6	3619025	NonCancer	1.39E-03	1.44E-03	0.00E+00	1.10E-06	0.00E+00	1.39E-03	1.56E-03	1.39E-03	0.00E+00	0.00E+00	0.00E+00	1.65E-05	0.00E+00	0.00E+00	1.56E-03
282	ALL	residential	489130.6	3617225	NonCancer	1.40E-03	1.45E-03	0.00E+00	1.11E-06	0.00E+00	1.40E-03	1.56E-03	1.40E-03	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	0.00E+00	1.56E-03
1266	ALL	residential	484730.6	3619725	NonCancer	1.36E-03	1.41E-03	0.00E+00	1.08E-06	0.00E+00	1.36E-03	1.56E-03	1.36E-03	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	1.56E-03
603	ALL	residential	483330.6	3618225	NonCancer	1.25E-03	1.30E-03	0.00E+00	9.94E-07	0.00E+00	1.25E-03	1.56E-03	1.25E-03	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	1.56E-03
755	ALL	residential	487330.6	3618625	NonCancer	1.38E-03	1.43E-03	0.00E+00	1.10E-06	0.00E+00	1.38E-03	1.55E-03	1.38E-03	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	1.55E-03
566	ALL	residential	483330.6	3618125	NonCancer	1.25E-03	1.29E-03	0.00E+00	9.93E-07	0.00E+00	1.25E-03	1.54E-03	1.25E-03	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	1.54E-03
981	ALL	residential	487230.6	3619125	NonCancer	1.36E-03	1.41E-03	0.00E+00	1.08E-06	0.00E+00	1.36E-03	1.53E-03	1.36E-03	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	1.53E-03
1128	ALL	residential	484630.6	3619425	NonCancer	1.31E-03	1.35E-03	0.00E+00	1.04E-06	0.00E+00	1.31E-03	1.53E-03	1.31E-03	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	1.53E-03
617	ALL	residential	487430.6	3618225	NonCancer	1.36E-03	1.41E-03	0.00E+00	1.08E-06	0.00E+00	1.36E-03	1.53E-03	1.36E-03	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	1.53E-03
356	ALL	residential	488730.6	3617525	NonCancer	1.37E-03	1.42E-03	0.00E+00	1.09E-06	0.00E+00	1.37E-03	1.53E-03	1.37E-03	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	1.53E-03
304	ALL	residential	489030.6	3617325	NonCancer	1.37E-03	1.42E-03	0.00E+00	1.09E-06	0.00E+00	1.37E-03	1.53E-03	1.37E-03	0.00E+00	0.00E+00	0.00E+00	1.62E-05	0.00E+00	0.00E+00	1.53E-03
1392	ALL	residential	484830.6	3620025	NonCancer	1.35E-03	1.40E-03	0.00E+00	1.07E-06	0.00E+00	1.35E-03	1.53E-03	1.35E-03	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	1.53E-03
364	ALL	residential	483530.6	3617625	NonCancer	1.28E-03	1.33E-03	0.00E+00	1.02E-06	0.00E+00	1.28E-03	1.53E-03	1.28E-03	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	1.53E-03
1484	ALL	residential	484930.6	3620225	NonCancer	1.36E-03	1.41E-03	0.00E+00	1.08E-06	0.00E+00	1.36E-03	1.53E-03	1.36E-03	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	1.53E-03
445	ALL	residential	483430.6	3617825	NonCancer	1.27E-03	1.31E-03	0.00E+00	1.01E-06	0.00E+00	1.27E-03	1.52E-03	1.27E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	1.52E-03
793	ALL	residential	487330.6	3618725	NonCancer	1.36E-03	1.40E-03	0.00E+00	1.08E-06	0.00E+00	1.36E-03	1.52E-03	1.36E-03	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	1.52E-03
1152	ALL	residential	487130.6	3619425	NonCancer	1.35E-03	1.40E-03	0.00E+00	1.07E-06	0.00E+00	1.35E-03	1.52E-03	1.35E-03	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	1.52E-03
1606	ALL	residential	485130.6	3620525	NonCancer	1.35E-03	1.40E-03	0.00E+00	1.07E-06	0.00E+00	1.35E-03	1.51E-03	1.35E-03	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	1.51E-03
306	ALL	residential	483630.6	3617425	NonCancer	1.28E-03	1.33E-03	0.00E+00	1.02E-06	0.00E+00	1.28E-03	1.51E-03	1.28E-03	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	1.51E-03
510	ALL	residential	487930.6	3617925	NonCancer	1.35E-03	1.40E-03	0.00E+00	1.07E-06	0.00E+00	1.35E-03	1.51E-03	1.35E-03	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	1.51E-03
527	ALL	residential	483330.6	3618025	NonCancer	1.23E-03	1.28E-03	0.00E+00	9.79E-07	0.00E+00	1.23E-03	1.51E-03	1.23E-03	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	1.51E-03
431	ALL	residential	488430.6	3617725	NonCancer	1.35E-03	1.40E-03	0.00E+00	1.07E-06	0.00E+00	1.35E-03	1.50E-03	1.35E-03	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00	1.50E-03
1305	ALL	residential	484730.6	3619825	NonCancer	1.31E-03	1.36E-03	0.00E+00	1.04E-06	0.00E+00	1.31E-03	1.50E-03	1.31E-03	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	1.50E-03
1567	ALL	residential	485030.6	3620425	NonCancer	1.34E-03	1.39E-03	0.00E+00	1.06E-06	0.00E+00	1.34E-03	1.50E-03	1.34E-03	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	1.50E-03
1637	ALL	residential	485230.6	3620625	NonCancer	1.34E-03	1.39E-03	0.00E+00	1.06E-06	0.00E+00	1.34E-03	1.50E-03	1.34E-03	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00	0.00E+00	1.50E-03
1010	ALL	residential	484430.6	3619225	NonCancer	1.22E-03	1.26E-03	0.00E+00	9.69E-07	0.00E+00	1.22E-03	1.50E-03	1.22E-03	0.00E+00	0.00E+00	0.00E+00	1.44E-05	0.00E+00	0.00E+00	1.50E-03
1995	ALL	Worker	484300	3619100	NonCancer	1.16E-03	1.20E-03	0.00E+00	9.23E-07	0.00E+00	1.16E-03	1.49E-03	1.16E-03	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	1.49E-03
831	ALL	residential	487330.6	3618825	NonCancer	1.33E-03	1.37E-03	0.00E+00	1.05E-06	0.00E+00	1.33E-03	1.49E-03	1.33E-03	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	1.49E-03
1037	ALL	residential	487230.6	3619225	NonCancer	1.32E-03	1.37E-03	0.00E+00	1.05E-06	0.00E+00	1.32E-03	1.49E-03	1.32E-03	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	0.00E+00	1.49E-03
326	ALL	residential	488930.6	3617425	NonCancer	1.33E-03	1.38E-03	0.00E+00	1.06E-06	0.00E+00	1.33E-03	1.49E-03	1.33E-03	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	1.49E-03
330	ALL	residential	483530.6	3617525	NonCancer	1.24E-03	1.29E-03	0.00E+00	9.89E-07	0.00E+00	1.24E-03	1.48E-03	1.24E-03	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	1.48E-03
1183	ALL	residential	484630.6	3619525	NonCancer	1.26E-03	1.31E-03	0.00E+00	1.00E-06	0.00E+00	1.26E-03	1.47E-03	1.26E-03	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	1.47E-03
402	ALL	residential	483430.6	3617725	NonCancer	1.23E-03	1.27E-03	0.00E+00	9.77E-07	0.00E+00	1.23E-03	1.47E-03	1.23E-03	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	1.47E-03
486	ALL	residential	483330.6	3617925	NonCancer	1.21E-03	1.26E-03	0.00E+00	9.63E-07	0.00E+00	1.21E-03	1.47E-03	1.21E-03	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	1.47E-03
392	ALL	residential	488630.6	3617625	NonCancer	1.32E-03	1.37E-03	0.00E+00	1.05E-06	0.00E+00	1.32E-03	1.47E-03	1.32E-03	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	1.47E-03
649	ALL	residential	487430.6	3618325	NonCancer	1.30E-03	1.35E-03	0.00E+00	1.04E-06	0.00E+00	1.30E-03	1.47E-03	1.30E-03	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	1.47E-03
602	ALL	residential	483230.6	3618225	NonCancer	1.18E-03	1.22E-03	0.00E+00	9.33E-07	0.00E+00	1.18E-03	1.47E-03	1.18E-03	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	1.47E-03
1438	ALL	residential	484830.6	3620125	NonCancer	1.29E-03	1.34E-03	0.00E+00	1.03E-06	0.00E+00	1.29E-03	1.46E-03	1.29E-03	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	1.46E-03
1526	ALL	residential	484930.6	3620325	NonCancer	1.30E-03	1.34E-03	0.00E+00	1.03E-06	0.00E+00	1.30E-03	1.46E-03	1.30E-03	0.00E+00	0.00E+00	0.00E+00	1.54E-05	0.00E+00	0.00E+00	1.46E-03
873	ALL	residential	487330.6	3618925	NonCancer	1.29E-03	1.34E-03	0.00E+00	1.03E-06	0.00E+00	1.29E-03	1.46E-03	1.29E-03	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	1.46E-03
683	ALL	residential	487430.6	3618425	NonCancer	1.29E-03	1.34E-03	0.00E+00	1.02E-06	0.00E+00	1.29E-03	1.45E-03	1.29E-03	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	1.45E-03
1347	ALL	residential	484730.6	3619925	NonCancer	1.27E-03	1.31E-03	0.00E+00	1.01E-06	0.00E+00	1.27E-03	1.45E-03	1.27E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	1.45E-03
1069	ALL	residential	484530.6	3619325	NonCancer	1.20E-03	1.24E-03	0.00E+00	9.53E-07	0.00E+00	1.20E-03	1.45E-03	1.20E-03	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	1.45E-03
565	ALL	residential	483230.6	3618125	NonCancer	1.17E-03	1.21E-03	0.00E+00	9.28E-07	0.00E+00	1.17E-03	1.44E-03	1.17E-03	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	1.44E-03
305	ALL	residential	489130.6	3617325	NonCancer	1.29E-03	1.34E-03	0.00E+00	1.02E-06	0.00E+00	1.29E-03	1.44E-03	1.29E-03	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	1.44E-03
718	ALL	residential	487430.6	3618525	NonCancer	1.28E-03	1.32E-03	0.00E+00	1.01E-06	0.00E+00	1.28E-03	1.44E-03	1.28E-03	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	1.44E-03
357	ALL	residential	488830.6	3617525	NonCancer	1.29E-03	1.34E-03	0.00E+00	1.02E-06	0.00E+00	1.29E-03	1.44E-03	1.29E-03	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	1.44E-03
511	ALL	residential	488030.6	3617925	NonCancer	1.29E-03	1.34E-03	0.00E+00	1.02E-06	0.00E+00	1.29E-03	1.44E-03	1.29E-03	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	1.44E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1095	ALL	residential	487230.6	3619325	NonCancer	1.28E-03	1.32E-03	0.00E+00	1.02E-06	0.00E+00	1.28E-03	1.44E-03	1.28E-03	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	1.44E-03
1224	ALL	residential	484630.6	3619625	NonCancer	1.23E-03	1.27E-03	0.00E+00	9.77E-07	0.00E+00	1.23E-03	1.43E-03	1.23E-03	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	1.43E-03
444	ALL	residential	483330.6	3617825	NonCancer	1.18E-03	1.22E-03	0.00E+00	9.40E-07	0.00E+00	1.18E-03	1.43E-03	1.18E-03	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	1.43E-03
928	ALL	residential	487330.6	3619025	NonCancer	1.27E-03	1.31E-03	0.00E+00	1.01E-06	0.00E+00	1.27E-03	1.43E-03	1.27E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	1.43E-03
363	ALL	residential	483430.6	3617625	NonCancer	1.19E-03	1.24E-03	0.00E+00	9.49E-07	0.00E+00	1.19E-03	1.43E-03	1.19E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	1.43E-03
756	ALL	residential	487430.6	3618625	NonCancer	1.26E-03	1.31E-03	0.00E+00	1.00E-06	0.00E+00	1.26E-03	1.42E-03	1.26E-03	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	1.42E-03
1605	ALL	residential	485030.6	3620525	NonCancer	1.27E-03	1.31E-03	0.00E+00	1.01E-06	0.00E+00	1.27E-03	1.42E-03	1.27E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	1.42E-03
1636	ALL	residential	485130.6	3620625	NonCancer	1.26E-03	1.31E-03	0.00E+00	1.00E-06	0.00E+00	1.26E-03	1.42E-03	1.26E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	1.42E-03
526	ALL	residential	483230.6	3618025	NonCancer	1.15E-03	1.19E-03	0.00E+00	9.15E-07	0.00E+00	1.15E-03	1.42E-03	1.15E-03	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	1.42E-03
472	ALL	residential	488330.6	3617825	NonCancer	1.27E-03	1.32E-03	0.00E+00	1.01E-06	0.00E+00	1.27E-03	1.42E-03	1.27E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-05	0.00E+00	0.00E+00	1.42E-03
618	ALL	residential	487530.6	3618225	NonCancer	1.25E-03	1.30E-03	0.00E+00	9.94E-07	0.00E+00	1.25E-03	1.41E-03	1.25E-03	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	1.41E-03
432	ALL	residential	488530.6	3617725	NonCancer	1.26E-03	1.31E-03	0.00E+00	1.00E-06	0.00E+00	1.26E-03	1.41E-03	1.26E-03	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	1.41E-03
794	ALL	residential	487430.6	3618725	NonCancer	1.25E-03	1.29E-03	0.00E+00	9.92E-07	0.00E+00	1.25E-03	1.41E-03	1.25E-03	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	1.41E-03
327	ALL	residential	489030.6	3617425	NonCancer	1.25E-03	1.30E-03	0.00E+00	9.97E-07	0.00E+00	1.26E-03	1.40E-03	1.25E-03	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	0.00E+00	1.40E-03
982	ALL	residential	487330.6	3619125	NonCancer	1.24E-03	1.29E-03	0.00E+00	9.87E-07	0.00E+00	1.24E-03	1.40E-03	1.24E-03	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	1.40E-03
1483	ALL	residential	484830.6	3620225	NonCancer	1.24E-03	1.28E-03	0.00E+00	9.83E-07	0.00E+00	1.24E-03	1.40E-03	1.24E-03	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	1.40E-03
1566	ALL	residential	484930.6	3620425	NonCancer	1.24E-03	1.28E-03	0.00E+00	9.85E-07	0.00E+00	1.24E-03	1.39E-03	1.24E-03	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	1.39E-03
1009	ALL	residential	484330.6	3619225	NonCancer	1.11E-03	1.15E-03	0.00E+00	8.81E-07	0.00E+00	1.11E-03	1.39E-03	1.11E-03	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	1.39E-03
1391	ALL	residential	484730.6	3620025	NonCancer	1.22E-03	1.26E-03	0.00E+00	9.70E-07	0.00E+00	1.22E-03	1.39E-03	1.22E-03	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	1.39E-03
635	ALL	residential	483130.6	3618325	NonCancer	1.10E-03	1.14E-03	0.00E+00	8.72E-07	0.00E+00	1.10E-03	1.39E-03	1.10E-03	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	1.39E-03
1153	ALL	residential	487230.6	3619425	NonCancer	1.24E-03	1.28E-03	0.00E+00	9.82E-07	0.00E+00	1.24E-03	1.39E-03	1.24E-03	0.00E+00	0.00E+00	0.00E+00	1.46E-05	0.00E+00	0.00E+00	1.39E-03
1265	ALL	residential	484630.6	3619725	NonCancer	1.20E-03	1.24E-03	0.00E+00	9.51E-07	0.00E+00	1.20E-03	1.39E-03	1.20E-03	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	1.39E-03
329	ALL	residential	483430.6	3617525	NonCancer	1.16E-03	1.20E-03	0.00E+00	9.22E-07	0.00E+00	1.16E-03	1.39E-03	1.16E-03	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	1.39E-03
401	ALL	residential	483330.6	3617725	NonCancer	1.15E-03	1.19E-03	0.00E+00	9.11E-07	0.00E+00	1.15E-03	1.38E-03	1.15E-03	0.00E+00	0.00E+00	0.00E+00	1.36E-05	0.00E+00	0.00E+00	1.38E-03
485	ALL	residential	483230.6	3617925	NonCancer	1.13E-03	1.17E-03	0.00E+00	9.00E-07	0.00E+00	1.13E-03	1.38E-03	1.13E-03	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	1.38E-03
832	ALL	residential	487430.6	3618825	NonCancer	1.23E-03	1.27E-03	0.00E+00	9.75E-07	0.00E+00	1.23E-03	1.38E-03	1.23E-03	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	1.38E-03
601	ALL	residential	483130.6	3618225	NonCancer	1.10E-03	1.14E-03	0.00E+00	8.77E-07	0.00E+00	1.10E-03	1.38E-03	1.10E-03	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	1.38E-03
393	ALL	residential	488730.6	3617625	NonCancer	1.24E-03	1.28E-03	0.00E+00	9.83E-07	0.00E+00	1.24E-03	1.38E-03	1.24E-03	0.00E+00	0.00E+00	0.00E+00	1.47E-05	0.00E+00	0.00E+00	1.38E-03
1127	ALL	residential	484530.6	3619425	NonCancer	1.14E-03	1.18E-03	0.00E+00	9.04E-07	0.00E+00	1.14E-03	1.36E-03	1.14E-03	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	1.36E-03
1038	ALL	residential	487330.6	3619225	NonCancer	1.21E-03	1.25E-03	0.00E+00	9.61E-07	0.00E+00	1.21E-03	1.36E-03	1.21E-03	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	1.36E-03
564	ALL	residential	483130.6	3618125	NonCancer	1.10E-03	1.13E-03	0.00E+00	8.70E-07	0.00E+00	1.10E-03	1.36E-03	1.10E-03	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	1.36E-03
650	ALL	residential	487530.6	3618325	NonCancer	1.20E-03	1.25E-03	0.00E+00	9.56E-07	0.00E+00	1.20E-03	1.36E-03	1.20E-03	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	1.36E-03
358	ALL	residential	488930.6	3617525	NonCancer	1.21E-03	1.26E-03	0.00E+00	9.63E-07	0.00E+00	1.21E-03	1.35E-03	1.21E-03	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	1.35E-03
874	ALL	residential	487430.6	3618925	NonCancer	1.20E-03	1.24E-03	0.00E+00	9.51E-07	0.00E+00	1.20E-03	1.35E-03	1.20E-03	0.00E+00	0.00E+00	0.00E+00	1.42E-05	0.00E+00	0.00E+00	1.35E-03
1304	ALL	residential	484630.6	3619825	NonCancer	1.17E-03	1.21E-03	0.00E+00	9.27E-07	0.00E+00	1.17E-03	1.35E-03	1.17E-03	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	1.35E-03
443	ALL	residential	483230.6	3617825	NonCancer	1.11E-03	1.15E-03	0.00E+00	8.79E-07	0.00E+00	1.11E-03	1.35E-03	1.11E-03	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	1.35E-03
473	ALL	residential	488430.6	3617825	NonCancer	1.21E-03	1.25E-03	0.00E+00	9.57E-07	0.00E+00	1.21E-03	1.35E-03	1.21E-03	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	1.35E-03
362	ALL	residential	483330.6	3617625	NonCancer	1.12E-03	1.15E-03	0.00E+00	8.86E-07	0.00E+00	1.12E-03	1.34E-03	1.12E-03	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	1.34E-03
684	ALL	residential	487530.6	3618425	NonCancer	1.18E-03	1.22E-03	0.00E+00	9.39E-07	0.00E+00	1.18E-03	1.34E-03	1.18E-03	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	1.34E-03
1525	ALL	residential	484830.6	3620325	NonCancer	1.18E-03	1.22E-03	0.00E+00	9.38E-07	0.00E+00	1.18E-03	1.34E-03	1.18E-03	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	1.34E-03
1437	ALL	residential	484730.6	3620125	NonCancer	1.17E-03	1.21E-03	0.00E+00	9.31E-07	0.00E+00	1.17E-03	1.34E-03	1.17E-03	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	1.34E-03
1635	ALL	residential	485030.6	3620625	NonCancer	1.19E-03	1.23E-03	0.00E+00	9.43E-07	0.00E+00	1.19E-03	1.34E-03	1.19E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-05	0.00E+00	0.00E+00	1.34E-03
525	ALL	residential	483130.6	3618025	NonCancer	1.08E-03	1.12E-03	0.00E+00	8.60E-07	0.00E+00	1.08E-03	1.33E-03	1.08E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	1.33E-03
549	ALL	residential	487930.6	3618025	NonCancer	1.19E-03	1.23E-03	0.00E+00	9.42E-07	0.00E+00	1.19E-03	1.33E-03	1.19E-03	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	1.33E-03
719	ALL	residential	487530.6	3618525	NonCancer	1.17E-03	1.22E-03	0.00E+00	9.33E-07	0.00E+00	1.18E-03	1.33E-03	1.17E-03	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	1.33E-03
328	ALL	residential	489130.6	3617425	NonCancer	1.18E-03	1.23E-03	0.00E+00	9.40E-07	0.00E+00	1.18E-03	1.32E-03	1.18E-03	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	1.32E-03
433	ALL	residential	488630.6	3617725	NonCancer	1.18E-03	1.23E-03	0.00E+00	9.40E-07	0.00E+00	1.18E-03	1.32E-03	1.18E-03	0.00E+00	0.00E+00	0.00E+00	1.40E-05	0.00E+00	0.00E+00	1.32E-03
1096	ALL	residential	487330.6	3619325	NonCancer	1.17E-03	1.21E-03	0.00E+00	9.31E-07	0.00E+00	1.17E-03	1.32E-03	1.17E-03	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	1.32E-03
1068	ALL	residential	484430.6	3619325	NonCancer	1.07E-03	1.11E-03	0.00E+00	8.51E-07	0.00E+00	1.07E-03	1.32E-03	1.07E-03	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	1.32E-03
1604	ALL	residential	484930.6	3620525	NonCancer	1.17E-03	1.21E-03	0.00E+00	9.31E-07	0.00E+00	1.17E-03	1.32E-03	1.17E-03	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	1.32E-03
1008	ALL	residential	484230.6	3619225	NonCancer	1.02E-03	1.06E-03	0.00E+00	8.12E-07	0.00E+00	1.02E-03	1.32E-03	1.02E-03	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	1.32E-03
634	ALL	residential	483030.6	3618325	NonCancer	1.04E-03	1.07E-03	0.00E+00	8.24E-07	0.00E+00	1.04E-03	1.32E-03	1.04E-03	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	1.32E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
929	ALL	residential	487430.6	3619025	NonCancer	1.17E-03	1.21E-03	0.00E+00	9.28E-07	0.00E+00	1.17E-03	1.32E-03	1.17E-03	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	1.32E-03
619	ALL	residential	487630.6	3618225	NonCancer	1.17E-03	1.21E-03	0.00E+00	9.27E-07	0.00E+00	1.17E-03	1.32E-03	1.17E-03	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	1.32E-03
757	ALL	residential	487530.6	3618625	NonCancer	1.17E-03	1.21E-03	0.00E+00	9.26E-07	0.00E+00	1.17E-03	1.32E-03	1.17E-03	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	1.32E-03
1182	ALL	residential	484530.6	3619525	NonCancer	1.10E-03	1.14E-03	0.00E+00	8.76E-07	0.00E+00	1.10E-03	1.31E-03	1.10E-03	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	1.31E-03
1346	ALL	residential	484630.6	3619925	NonCancer	1.14E-03	1.18E-03	0.00E+00	9.03E-07	0.00E+00	1.14E-03	1.31E-03	1.14E-03	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	1.31E-03
600	ALL	residential	483030.6	3618225	NonCancer	1.04E-03	1.08E-03	0.00E+00	8.25E-07	0.00E+00	1.04E-03	1.31E-03	1.04E-03	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	1.31E-03
484	ALL	residential	483130.6	3617925	NonCancer	1.06E-03	1.10E-03	0.00E+00	8.44E-07	0.00E+00	1.06E-03	1.30E-03	1.06E-03	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	1.30E-03
400	ALL	residential	483230.6	3617725	NonCancer	1.07E-03	1.11E-03	0.00E+00	8.53E-07	0.00E+00	1.07E-03	1.30E-03	1.07E-03	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	1.30E-03
795	ALL	residential	487530.6	3618725	NonCancer	1.15E-03	1.19E-03	0.00E+00	9.16E-07	0.00E+00	1.15E-03	1.30E-03	1.15E-03	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	1.30E-03
394	ALL	residential	488830.6	3617625	NonCancer	1.16E-03	1.20E-03	0.00E+00	9.24E-07	0.00E+00	1.16E-03	1.30E-03	1.16E-03	0.00E+00	0.00E+00	0.00E+00	1.38E-05	0.00E+00	0.00E+00	1.30E-03
983	ALL	residential	487430.6	3619125	NonCancer	1.14E-03	1.18E-03	0.00E+00	9.08E-07	0.00E+00	1.14E-03	1.29E-03	1.14E-03	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	1.29E-03
1223	ALL	residential	484530.6	3619625	NonCancer	1.09E-03	1.13E-03	0.00E+00	8.64E-07	0.00E+00	1.09E-03	1.29E-03	1.09E-03	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	1.29E-03
833	ALL	residential	487530.6	3618825	NonCancer	1.14E-03	1.18E-03	0.00E+00	9.07E-07	0.00E+00	1.14E-03	1.29E-03	1.14E-03	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	1.29E-03
563	ALL	residential	483030.6	3618125	NonCancer	1.03E-03	1.07E-03	0.00E+00	8.18E-07	0.00E+00	1.03E-03	1.29E-03	1.03E-03	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	1.29E-03
1482	ALL	residential	484730.6	3620225	NonCancer	1.13E-03	1.17E-03	0.00E+00	8.94E-07	0.00E+00	1.13E-03	1.28E-03	1.13E-03	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	1.28E-03
1565	ALL	residential	484830.6	3620425	NonCancer	1.13E-03	1.17E-03	0.00E+00	8.99E-07	0.00E+00	1.13E-03	1.28E-03	1.13E-03	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	1.28E-03
1154	ALL	residential	487330.6	3619425	NonCancer	1.13E-03	1.17E-03	0.00E+00	9.01E-07	0.00E+00	1.13E-03	1.28E-03	1.13E-03	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	1.28E-03
359	ALL	residential	489030.6	3617525	NonCancer	1.14E-03	1.18E-03	0.00E+00	9.07E-07	0.00E+00	1.14E-03	1.28E-03	1.14E-03	0.00E+00	0.00E+00	0.00E+00	1.35E-05	0.00E+00	0.00E+00	1.28E-03
550	ALL	residential	488030.6	3618025	NonCancer	1.13E-03	1.17E-03	0.00E+00	8.99E-07	0.00E+00	1.13E-03	1.27E-03	1.13E-03	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	1.27E-03
442	ALL	residential	483130.6	3617825	NonCancer	1.04E-03	1.07E-03	0.00E+00	8.24E-07	0.00E+00	1.04E-03	1.27E-03	1.04E-03	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	1.27E-03
1390	ALL	residential	484630.6	3620025	NonCancer	1.10E-03	1.14E-03	0.00E+00	8.76E-07	0.00E+00	1.10E-03	1.27E-03	1.10E-03	0.00E+00	0.00E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	1.27E-03
474	ALL	residential	488530.6	3617825	NonCancer	1.13E-03	1.17E-03	0.00E+00	8.98E-07	0.00E+00	1.13E-03	1.26E-03	1.13E-03	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	1.26E-03
361	ALL	residential	483230.6	3617625	NonCancer	1.04E-03	1.08E-03	0.00E+00	8.28E-07	0.00E+00	1.04E-03	1.26E-03	1.04E-03	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	1.26E-03
1039	ALL	residential	487430.6	3619225	NonCancer	1.12E-03	1.16E-03	0.00E+00	8.88E-07	0.00E+00	1.12E-03	1.26E-03	1.12E-03	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	1.26E-03
651	ALL	residential	487630.6	3618325	NonCancer	1.12E-03	1.16E-03	0.00E+00	8.86E-07	0.00E+00	1.12E-03	1.26E-03	1.12E-03	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	1.26E-03
514	ALL	residential	488330.6	3617925	NonCancer	1.13E-03	1.17E-03	0.00E+00	8.96E-07	0.00E+00	1.13E-03	1.26E-03	1.13E-03	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	1.26E-03
524	ALL	residential	483030.6	3618025	NonCancer	1.02E-03	1.05E-03	0.00E+00	8.08E-07	0.00E+00	1.02E-03	1.26E-03	1.02E-03	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	1.26E-03
875	ALL	residential	487530.6	3618925	NonCancer	1.12E-03	1.16E-03	0.00E+00	8.88E-07	0.00E+00	1.12E-03	1.26E-03	1.12E-03	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	1.26E-03
1264	ALL	residential	484530.6	3619725	NonCancer	1.06E-03	1.10E-03	0.00E+00	8.44E-07	0.00E+00	1.06E-03	1.25E-03	1.06E-03	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	1.25E-03
434	ALL	residential	488730.6	3617725	NonCancer	1.11E-03	1.15E-03	0.00E+00	8.85E-07	0.00E+00	1.11E-03	1.25E-03	1.11E-03	0.00E+00	0.00E+00	0.00E+00	1.32E-05	0.00E+00	0.00E+00	1.25E-03
1067	ALL	residential	484330.6	3619325	NonCancer	9.89E-04	1.02E-03	0.00E+00	7.85E-07	0.00E+00	9.89E-04	1.25E-03	9.89E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	1.25E-03
1126	ALL	residential	484430.6	3619425	NonCancer	1.01E-03	1.05E-03	0.00E+00	8.03E-07	0.00E+00	1.01E-03	1.24E-03	1.01E-03	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	1.24E-03
620	ALL	residential	487730.6	3618225	NonCancer	1.09E-03	1.13E-03	0.00E+00	8.68E-07	0.00E+00	1.09E-03	1.23E-03	1.09E-03	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	1.23E-03
483	ALL	residential	483030.6	3617925	NonCancer	9.99E-04	1.03E-03	0.00E+00	7.93E-07	0.00E+00	9.99E-04	1.23E-03	9.99E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	1.23E-03
399	ALL	residential	483130.6	3617725	NonCancer	1.01E-03	1.04E-03	0.00E+00	8.01E-07	0.00E+00	1.01E-03	1.23E-03	1.01E-03	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	1.23E-03
685	ALL	residential	487630.6	3618425	NonCancer	1.09E-03	1.13E-03	0.00E+00	8.63E-07	0.00E+00	1.09E-03	1.23E-03	1.09E-03	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	1.23E-03
1097	ALL	residential	487430.6	3619325	NonCancer	1.09E-03	1.13E-03	0.00E+00	8.65E-07	0.00E+00	1.09E-03	1.23E-03	1.09E-03	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	1.23E-03
1524	ALL	residential	484730.6	3620325	NonCancer	1.08E-03	1.12E-03	0.00E+00	8.57E-07	0.00E+00	1.08E-03	1.23E-03	1.08E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	1.23E-03
395	ALL	residential	488930.6	3617625	NonCancer	1.10E-03	1.14E-03	0.00E+00	8.71E-07	0.00E+00	1.10E-03	1.23E-03	1.10E-03	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	1.23E-03
720	ALL	residential	487630.6	3618525	NonCancer	1.08E-03	1.12E-03	0.00E+00	8.61E-07	0.00E+00	1.08E-03	1.23E-03	1.08E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	1.23E-03
930	ALL	residential	487530.6	3619025	NonCancer	1.09E-03	1.12E-03	0.00E+00	8.62E-07	0.00E+00	1.09E-03	1.23E-03	1.09E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	1.23E-03
1436	ALL	residential	484630.6	3620125	NonCancer	1.07E-03	1.10E-03	0.00E+00	8.46E-07	0.00E+00	1.07E-03	1.22E-03	1.07E-03	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	1.22E-03
551	ALL	residential	488130.6	3618025	NonCancer	1.09E-03	1.13E-03	0.00E+00	8.66E-07	0.00E+00	1.09E-03	1.22E-03	1.09E-03	0.00E+00	0.00E+00	0.00E+00	1.29E-05	0.00E+00	0.00E+00	1.22E-03
1603	ALL	residential	484830.6	3620525	NonCancer	1.08E-03	1.12E-03	0.00E+00	8.57E-07	0.00E+00	1.08E-03	1.22E-03	1.08E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	1.22E-03
1066	ALL	residential	484230.6	3619325	NonCancer	9.53E-04	9.87E-04	0.00E+00	7.57E-07	0.00E+00	9.53E-04	1.22E-03	9.53E-04	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	1.22E-03
562	ALL	residential	482930.6	3618125	NonCancer	9.72E-04	1.01E-03	0.00E+00	7.72E-07	0.00E+00	9.72E-04	1.22E-03	9.72E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	1.22E-03
758	ALL	residential	487630.6	3618625	NonCancer	1.08E-03	1.12E-03	0.00E+00	8.56E-07	0.00E+00	1.08E-03	1.22E-03	1.08E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	1.22E-03
1303	ALL	residential	484530.6	3619825	NonCancer	1.04E-03	1.08E-03	0.00E+00	8.25E-07	0.00E+00	1.04E-03	1.22E-03	1.04E-03	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	1.22E-03
796	ALL	residential	487630.6	3618725	NonCancer	1.07E-03	1.11E-03	0.00E+00	8.51E-07	0.00E+00	1.07E-03	1.21E-03	1.07E-03	0.00E+00	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	1.21E-03
360	ALL	residential	489130.6	3617525	NonCancer	1.08E-03	1.12E-03	0.00E+00	8.58E-07	0.00E+00	1.08E-03	1.21E-03	1.08E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	1.21E-03
515	ALL	residential	488430.6	3617925	NonCancer	1.08E-03	1.12E-03	0.00E+00	8.56E-07	0.00E+00	1.08E-03	1.21E-03	1.08E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	0.00E+00	1.21E-03
441	ALL	residential	483030.6	3617825	NonCancer	9.76E-04	1.01E-03	0.00E+00	7.75E-07	0.00E+00	9.76E-04	1.20E-03	9.76E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	1.20E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
587	ALL	residential	487930.6	3618125	NonCancer	1.06E-03	1.10E-03	0.00E+00	8.45E-07	0.00E+00	1.06E-03	1.20E-03	1.06E-03	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	1.20E-03
834	ALL	residential	487630.6	3618825	NonCancer	1.06E-03	1.10E-03	0.00E+00	8.44E-07	0.00E+00	1.06E-03	1.20E-03	1.06E-03	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	1.20E-03
984	ALL	residential	487530.6	3619125	NonCancer	1.06E-03	1.10E-03	0.00E+00	8.40E-07	0.00E+00	1.06E-03	1.20E-03	1.06E-03	0.00E+00	0.00E+00	0.00E+00	1.25E-05	0.00E+00	0.00E+00	1.20E-03
523	ALL	residential	482930.6	3618025	NonCancer	9.58E-04	9.92E-04	0.00E+00	7.61E-07	0.00E+00	9.58E-04	1.20E-03	9.58E-04	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	1.20E-03
1181	ALL	residential	484430.6	3619525	NonCancer	9.81E-04	1.02E-03	0.00E+00	7.79E-07	0.00E+00	9.81E-04	1.19E-03	9.81E-04	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	1.19E-03
475	ALL	residential	488630.6	3617825	NonCancer	1.06E-03	1.10E-03	0.00E+00	8.44E-07	0.00E+00	1.06E-03	1.19E-03	1.06E-03	0.00E+00	0.00E+00	0.00E+00	1.26E-05	0.00E+00	0.00E+00	1.19E-03
1345	ALL	residential	484530.6	3619925	NonCancer	1.01E-03	1.05E-03	0.00E+00	8.06E-07	0.00E+00	1.01E-03	1.19E-03	1.01E-03	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	1.19E-03
1155	ALL	residential	487430.6	3619425	NonCancer	1.05E-03	1.08E-03	0.00E+00	8.31E-07	0.00E+00	1.05E-03	1.18E-03	1.05E-03	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	1.18E-03
652	ALL	residential	487730.6	3618325	NonCancer	1.04E-03	1.08E-03	0.00E+00	8.27E-07	0.00E+00	1.04E-03	1.18E-03	1.04E-03	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	1.18E-03
552	ALL	residential	488230.6	3618025	NonCancer	1.05E-03	1.09E-03	0.00E+00	8.34E-07	0.00E+00	1.05E-03	1.18E-03	1.05E-03	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	1.18E-03
1481	ALL	residential	484630.6	3620225	NonCancer	1.03E-03	1.06E-03	0.00E+00	8.15E-07	0.00E+00	1.03E-03	1.18E-03	1.03E-03	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	1.18E-03
876	ALL	residential	487630.6	3618925	NonCancer	1.04E-03	1.08E-03	0.00E+00	8.29E-07	0.00E+00	1.04E-03	1.18E-03	1.04E-03	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	1.18E-03
435	ALL	residential	488830.6	3617725	NonCancer	1.05E-03	1.09E-03	0.00E+00	8.33E-07	0.00E+00	1.05E-03	1.18E-03	1.05E-03	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	1.18E-03
1564	ALL	residential	484730.6	3620425	NonCancer	1.03E-03	1.07E-03	0.00E+00	8.19E-07	0.00E+00	1.03E-03	1.18E-03	1.03E-03	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	1.18E-03
1065	ALL	residential	484130.6	3619325	NonCancer	8.92E-04	9.24E-04	0.00E+00	7.09E-07	0.00E+00	8.92E-04	1.17E-03	8.92E-04	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	1.17E-03
1040	ALL	residential	487530.6	3619225	NonCancer	1.04E-03	1.07E-03	0.00E+00	8.23E-07	0.00E+00	1.04E-03	1.17E-03	1.04E-03	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	1.17E-03
482	ALL	residential	482930.6	3617925	NonCancer	9.41E-04	9.75E-04	0.00E+00	7.48E-07	0.00E+00	9.41E-04	1.17E-03	9.41E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	1.17E-03
1222	ALL	residential	484430.6	3619625	NonCancer	9.64E-04	9.98E-04	0.00E+00	7.66E-07	0.00E+00	9.64E-04	1.16E-03	9.64E-04	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	1.16E-03
398	ALL	residential	483030.6	3617725	NonCancer	9.47E-04	9.80E-04	0.00E+00	7.52E-07	0.00E+00	9.47E-04	1.16E-03	9.47E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	1.16E-03
621	ALL	residential	487830.6	3618225	NonCancer	1.03E-03	1.06E-03	0.00E+00	8.17E-07	0.00E+00	1.03E-03	1.16E-03	1.03E-03	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	0.00E+00	1.16E-03
396	ALL	residential	489030.6	3617625	NonCancer	1.04E-03	1.07E-03	0.00E+00	8.22E-07	0.00E+00	1.04E-03	1.16E-03	1.04E-03	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	0.00E+00	1.16E-03
1389	ALL	residential	484530.6	3620025	NonCancer	9.90E-04	1.02E-03	0.00E+00	7.86E-07	0.00E+00	9.90E-04	1.15E-03	9.90E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	1.15E-03
149	ALL	residential	489651	3613672	NonCancer	1.02E-03	1.05E-03	0.00E+00	8.07E-07	0.00E+00	1.02E-03	1.15E-03	1.02E-03	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	1.15E-03
931	ALL	residential	487630.6	3619025	NonCancer	1.02E-03	1.06E-03	0.00E+00	8.10E-07	0.00E+00	1.02E-03	1.15E-03	1.02E-03	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	1.15E-03
1064	ALL	residential	484030.6	3619325	NonCancer	8.47E-04	8.77E-04	0.00E+00	6.73E-07	0.00E+00	8.47E-04	1.15E-03	8.47E-04	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	1.15E-03
1098	ALL	residential	487530.6	3619325	NonCancer	1.01E-03	1.05E-03	0.00E+00	8.05E-07	0.00E+00	1.01E-03	1.15E-03	1.01E-03	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	1.15E-03
588	ALL	residential	488030.6	3618125	NonCancer	1.02E-03	1.05E-03	0.00E+00	8.07E-07	0.00E+00	1.02E-03	1.15E-03	1.02E-03	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	1.15E-03
686	ALL	residential	487730.6	3618425	NonCancer	1.01E-03	1.05E-03	0.00E+00	8.02E-07	0.00E+00	1.01E-03	1.14E-03	1.01E-03	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	1.14E-03
1125	ALL	residential	484330.6	3619425	NonCancer	9.08E-04	9.40E-04	0.00E+00	7.21E-07	0.00E+00	9.08E-04	1.14E-03	9.08E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	1.14E-03
440	ALL	residential	482930.6	3617825	NonCancer	9.19E-04	9.52E-04	0.00E+00	7.30E-07	0.00E+00	9.20E-04	1.14E-03	9.19E-04	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	1.14E-03
516	ALL	residential	488530.6	3617925	NonCancer	1.01E-03	1.05E-03	0.00E+00	8.06E-07	0.00E+00	1.01E-03	1.14E-03	1.01E-03	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	1.14E-03
721	ALL	residential	487730.6	3618525	NonCancer	1.00E-03	1.04E-03	0.00E+00	7.97E-07	0.00E+00	1.00E-03	1.14E-03	1.00E-03	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	1.14E-03
759	ALL	residential	487730.6	3618625	NonCancer	1.00E-03	1.04E-03	0.00E+00	7.96E-07	0.00E+00	1.00E-03	1.14E-03	1.00E-03	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	1.14E-03
1263	ALL	residential	484430.6	3619725	NonCancer	9.46E-04	9.79E-04	0.00E+00	7.51E-07	0.00E+00	9.46E-04	1.13E-03	9.46E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	1.13E-03
797	ALL	residential	487730.6	3618725	NonCancer	1.00E-03	1.04E-03	0.00E+00	7.96E-07	0.00E+00	1.00E-03	1.13E-03	1.00E-03	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	1.13E-03
1523	ALL	residential	484630.6	3620325	NonCancer	9.87E-04	1.02E-03	0.00E+00	7.84E-07	0.00E+00	9.87E-04	1.13E-03	9.87E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	1.13E-03
553	ALL	residential	488330.6	3618025	NonCancer	1.00E-03	1.04E-03	0.00E+00	7.98E-07	0.00E+00	1.01E-03	1.13E-03	1.00E-03	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	1.13E-03
1602	ALL	residential	484730.6	3620525	NonCancer	9.87E-04	1.02E-03	0.00E+00	7.84E-07	0.00E+00	9.87E-04	1.13E-03	9.87E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	1.13E-03
476	ALL	residential	488730.6	3617825	NonCancer	1.00E-03	1.04E-03	0.00E+00	7.96E-07	0.00E+00	1.00E-03	1.12E-03	1.00E-03	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	1.12E-03
835	ALL	residential	487730.6	3618825	NonCancer	9.95E-04	1.03E-03	0.00E+00	7.90E-07	0.00E+00	9.95E-04	1.12E-03	9.95E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	0.00E+00	1.12E-03
1435	ALL	residential	484530.6	3620125	NonCancer	9.64E-04	9.99E-04	0.00E+00	7.66E-07	0.00E+00	9.65E-04	1.12E-03	9.64E-04	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	1.12E-03
985	ALL	residential	487630.6	3619125	NonCancer	9.89E-04	1.02E-03	0.00E+00	7.85E-07	0.00E+00	9.89E-04	1.12E-03	9.89E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	1.12E-03
1156	ALL	residential	487530.6	3619425	NonCancer	9.87E-04	1.02E-03	0.00E+00	7.84E-07	0.00E+00	9.87E-04	1.12E-03	9.87E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	1.12E-03
1124	ALL	residential	484230.6	3619425	NonCancer	8.69E-04	8.99E-04	0.00E+00	6.90E-07	0.00E+00	8.69E-04	1.11E-03	8.69E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	1.11E-03
436	ALL	residential	488930.6	3617725	NonCancer	9.91E-04	1.03E-03	0.00E+00	7.87E-07	0.00E+00	9.91E-04	1.11E-03	9.91E-04	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	1.11E-03
481	ALL	residential	482830.6	3617925	NonCancer	8.89E-04	9.20E-04	0.00E+00	7.06E-07	0.00E+00	8.89E-04	1.11E-03	8.89E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	1.11E-03
877	ALL	residential	487730.6	3618925	NonCancer	9.84E-04	1.02E-03	0.00E+00	7.82E-07	0.00E+00	9.84E-04	1.11E-03	9.84E-04	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	1.11E-03
1302	ALL	residential	484430.6	3619825	NonCancer	9.31E-04	9.64E-04	0.00E+00	7.39E-07	0.00E+00	9.31E-04	1.11E-03	9.31E-04	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	1.11E-03
653	ALL	residential	487830.6	3618325	NonCancer	9.75E-04	1.01E-03	0.00E+00	7.75E-07	0.00E+00	9.76E-04	1.11E-03	9.75E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	1.11E-03
622	ALL	residential	487930.6	3618225	NonCancer	9.76E-04	1.01E-03	0.00E+00	7.75E-07	0.00E+00	9.76E-04	1.11E-03	9.76E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-05	0.00E+00	0.00E+00	1.11E-03
589	ALL	residential	488130.6	3618125	NonCancer	9.79E-04	1.01E-03	0.00E+00	7.78E-07	0.00E+00	9.79E-04	1.10E-03	9.79E-04	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	1.10E-03
1123	ALL	residential	484130.6	3619425	NonCancer	8.46E-04	8.76E-04	0.00E+00	6.72E-07	0.00E+00	8.46E-04	1.10E-03	8.46E-04	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	1.10E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
397	ALL	residential	489130.6	3617625	NonCancer	9.78E-04	1.01E-03	0.00E+00	7.77E-07	0.00E+00	9.79E-04	1.10E-03	9.78E-04	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	1.10E-03
1180	ALL	residential	484330.6	3619525	NonCancer	8.82E-04	9.13E-04	0.00E+00	7.01E-07	0.00E+00	8.82E-04	1.10E-03	8.82E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	1.10E-03
1041	ALL	residential	487630.6	3619225	NonCancer	9.63E-04	9.97E-04	0.00E+00	7.64E-07	0.00E+00	9.63E-04	1.09E-03	9.63E-04	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	1.09E-03
932	ALL	residential	487730.6	3619025	NonCancer	9.64E-04	9.98E-04	0.00E+00	7.65E-07	0.00E+00	9.64E-04	1.09E-03	9.64E-04	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	1.09E-03
1480	ALL	residential	484530.6	3620225	NonCancer	9.36E-04	9.69E-04	0.00E+00	7.43E-07	0.00E+00	9.36E-04	1.09E-03	9.36E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	1.09E-03
554	ALL	residential	488430.6	3618025	NonCancer	9.63E-04	9.97E-04	0.00E+00	7.65E-07	0.00E+00	9.63E-04	1.08E-03	9.63E-04	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	0.00E+00	1.08E-03
1563	ALL	residential	484630.6	3620425	NonCancer	9.43E-04	9.76E-04	0.00E+00	7.49E-07	0.00E+00	9.43E-04	1.08E-03	9.43E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	1.08E-03
1344	ALL	residential	484430.6	3619925	NonCancer	9.13E-04	9.45E-04	0.00E+00	7.25E-07	0.00E+00	9.13E-04	1.08E-03	9.13E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	1.08E-03
439	ALL	residential	482830.6	3617825	NonCancer	8.68E-04	8.98E-04	0.00E+00	6.89E-07	0.00E+00	8.68E-04	1.08E-03	8.68E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	1.08E-03
517	ALL	residential	488630.6	3617925	NonCancer	9.58E-04	9.92E-04	0.00E+00	7.61E-07	0.00E+00	9.58E-04	1.08E-03	9.58E-04	0.00E+00	0.00E+00	0.00E+00	1.13E-05	0.00E+00	0.00E+00	1.08E-03
1122	ALL	residential	484030.6	3619425	NonCancer	8.05E-04	8.33E-04	0.00E+00	6.39E-07	0.00E+00	8.05E-04	1.08E-03	8.05E-04	0.00E+00	0.00E+00	0.00E+00	9.52E-06	0.00E+00	0.00E+00	1.08E-03
687	ALL	residential	487830.6	3618425	NonCancer	9.42E-04	9.76E-04	0.00E+00	7.48E-07	0.00E+00	9.42E-04	1.07E-03	9.42E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	1.07E-03
1099	ALL	residential	487630.6	3619325	NonCancer	9.44E-04	9.77E-04	0.00E+00	7.50E-07	0.00E+00	9.44E-04	1.07E-03	9.44E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	1.07E-03
1221	ALL	residential	484330.6	3619625	NonCancer	8.66E-04	8.97E-04	0.00E+00	6.88E-07	0.00E+00	8.66E-04	1.07E-03	8.66E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	1.07E-03
590	ALL	residential	488230.6	3618125	NonCancer	9.44E-04	9.77E-04	0.00E+00	7.49E-07	0.00E+00	9.44E-04	1.07E-03	9.44E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	1.07E-03
477	ALL	residential	488830.6	3617825	NonCancer	9.45E-04	9.79E-04	0.00E+00	7.51E-07	0.00E+00	9.45E-04	1.06E-03	9.45E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	1.06E-03
722	ALL	residential	487830.6	3618525	NonCancer	9.32E-04	9.65E-04	0.00E+00	7.40E-07	0.00E+00	9.32E-04	1.06E-03	9.32E-04	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	1.06E-03
623	ALL	residential	488030.6	3618225	NonCancer	9.34E-04	9.67E-04	0.00E+00	7.41E-07	0.00E+00	9.34E-04	1.06E-03	9.34E-04	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	1.06E-03
798	ALL	residential	487830.6	3618725	NonCancer	9.34E-04	9.67E-04	0.00E+00	7.41E-07	0.00E+00	9.34E-04	1.06E-03	9.34E-04	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	1.06E-03
760	ALL	residential	487830.6	3618625	NonCancer	9.32E-04	9.64E-04	0.00E+00	7.40E-07	0.00E+00	9.32E-04	1.06E-03	9.32E-04	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	1.06E-03
986	ALL	residential	487730.6	3619125	NonCancer	9.33E-04	9.66E-04	0.00E+00	7.41E-07	0.00E+00	9.34E-04	1.06E-03	9.33E-04	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	1.06E-03
1388	ALL	residential	484430.6	3620025	NonCancer	8.93E-04	9.24E-04	0.00E+00	7.09E-07	0.00E+00	8.93E-04	1.05E-03	8.93E-04	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	1.05E-03
437	ALL	residential	489030.6	3617725	NonCancer	9.35E-04	9.68E-04	0.00E+00	7.43E-07	0.00E+00	9.35E-04	1.05E-03	9.35E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	1.05E-03
836	ALL	residential	487830.6	3618825	NonCancer	9.29E-04	9.62E-04	0.00E+00	7.38E-07	0.00E+00	9.29E-04	1.05E-03	9.29E-04	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	1.05E-03
1522	ALL	residential	484530.6	3620325	NonCancer	9.05E-04	9.37E-04	0.00E+00	7.19E-07	0.00E+00	9.05E-04	1.05E-03	9.05E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	1.05E-03
1179	ALL	residential	484230.6	3619525	NonCancer	8.21E-04	8.50E-04	0.00E+00	6.52E-07	0.00E+00	8.22E-04	1.05E-03	8.21E-04	0.00E+00	0.00E+00	0.00E+00	9.72E-06	0.00E+00	0.00E+00	1.05E-03
1157	ALL	residential	487630.6	3619425	NonCancer	9.23E-04	9.56E-04	0.00E+00	7.33E-07	0.00E+00	9.23E-04	1.05E-03	9.23E-04	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	1.05E-03
1262	ALL	residential	484330.6	3619725	NonCancer	8.54E-04	8.84E-04	0.00E+00	6.78E-07	0.00E+00	8.54E-04	1.04E-03	8.54E-04	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	1.04E-03
1601	ALL	residential	484630.6	3620525	NonCancer	9.08E-04	9.40E-04	0.00E+00	7.21E-07	0.00E+00	9.08E-04	1.04E-03	9.08E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	1.04E-03
654	ALL	residential	487930.6	3618325	NonCancer	9.18E-04	9.51E-04	0.00E+00	7.29E-07	0.00E+00	9.18E-04	1.04E-03	9.18E-04	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	1.04E-03
878	ALL	residential	487830.6	3618925	NonCancer	9.21E-04	9.54E-04	0.00E+00	7.32E-07	0.00E+00	9.21E-04	1.04E-03	9.21E-04	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	1.04E-03
555	ALL	residential	488530.6	3618025	NonCancer	9.20E-04	9.53E-04	0.00E+00	7.31E-07	0.00E+00	9.20E-04	1.04E-03	9.20E-04	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	0.00E+00	1.04E-03
1434	ALL	residential	484430.6	3620125	NonCancer	8.73E-04	9.04E-04	0.00E+00	6.94E-07	0.00E+00	8.74E-04	1.03E-03	8.73E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	1.03E-03
591	ALL	residential	488330.6	3618125	NonCancer	9.08E-04	9.40E-04	0.00E+00	7.21E-07	0.00E+00	9.08E-04	1.03E-03	9.08E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	1.03E-03
1042	ALL	residential	487730.6	3619225	NonCancer	9.04E-04	9.36E-04	0.00E+00	7.18E-07	0.00E+00	9.04E-04	1.02E-03	9.04E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	1.02E-03
1178	ALL	residential	484130.6	3619525	NonCancer	7.89E-04	8.17E-04	0.00E+00	6.27E-07	0.00E+00	7.89E-04	1.02E-03	7.89E-04	0.00E+00	0.00E+00	0.00E+00	9.34E-06	0.00E+00	0.00E+00	1.02E-03
933	ALL	residential	487830.6	3619025	NonCancer	9.05E-04	9.37E-04	0.00E+00	7.19E-07	0.00E+00	9.05E-04	1.02E-03	9.05E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	1.02E-03
518	ALL	residential	488730.6	3617925	NonCancer	9.03E-04	9.35E-04	0.00E+00	7.17E-07	0.00E+00	9.04E-04	1.02E-03	9.03E-04	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	0.00E+00	1.02E-03
1301	ALL	residential	484330.6	3619825	NonCancer	8.37E-04	8.67E-04	0.00E+00	6.65E-07	0.00E+00	8.38E-04	1.02E-03	8.37E-04	0.00E+00	0.00E+00	0.00E+00	9.91E-06	0.00E+00	0.00E+00	1.02E-03
1177	ALL	residential	484030.6	3619525	NonCancer	7.71E-04	7.98E-04	0.00E+00	6.12E-07	0.00E+00	7.71E-04	1.02E-03	7.71E-04	0.00E+00	0.00E+00	0.00E+00	9.12E-06	0.00E+00	0.00E+00	1.02E-03
624	ALL	residential	488130.6	3618225	NonCancer	8.95E-04	9.27E-04	0.00E+00	7.11E-07	0.00E+00	8.95E-04	1.01E-03	8.95E-04	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	1.01E-03
1562	ALL	residential	484530.6	3620425	NonCancer	8.71E-04	9.01E-04	0.00E+00	6.92E-07	0.00E+00	8.71E-04	1.01E-03	8.71E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	1.01E-03
688	ALL	residential	487930.6	3618425	NonCancer	8.85E-04	9.17E-04	0.00E+00	7.03E-07	0.00E+00	8.85E-04	1.01E-03	8.85E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	1.01E-03
478	ALL	residential	488930.6	3617825	NonCancer	8.93E-04	9.25E-04	0.00E+00	7.09E-07	0.00E+00	8.93E-04	1.01E-03	8.93E-04	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00	0.00E+00	1.01E-03
1220	ALL	residential	484230.6	3619625	NonCancer	7.94E-04	8.22E-04	0.00E+00	6.30E-07	0.00E+00	7.94E-04	1.00E-03	7.94E-04	0.00E+00	0.00E+00	0.00E+00	9.39E-06	0.00E+00	0.00E+00	1.00E-03
1479	ALL	residential	484430.6	3620225	NonCancer	8.52E-04	8.82E-04	0.00E+00	6.77E-07	0.00E+00	8.52E-04	1.00E-03	8.52E-04	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	1.00E-03
438	ALL	residential	489130.6	3617725	NonCancer	8.87E-04	9.19E-04	0.00E+00	7.05E-07	0.00E+00	8.87E-04	1.00E-03	8.87E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	1.00E-03
1100	ALL	residential	487730.6	3619325	NonCancer	8.80E-04	9.11E-04	0.00E+00	6.99E-07	0.00E+00	8.80E-04	9.98E-04	8.80E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	9.98E-04
655	ALL	residential	488030.6	3618325	NonCancer	8.78E-04	9.09E-04	0.00E+00	6.97E-07	0.00E+00	8.78E-04	9.97E-04	8.78E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	9.97E-04
1343	ALL	residential	484330.6	3619925	NonCancer	8.24E-04	8.53E-04	0.00E+00	6.55E-07	0.00E+00	8.24E-04	9.95E-04	8.24E-04	0.00E+00	0.00E+00	0.00E+00	9.75E-06	0.00E+00	0.00E+00	9.95E-04
987	ALL	residential	487830.6	3619125	NonCancer	8.77E-04	9.08E-04	0.00E+00	6.96E-07	0.00E+00	8.77E-04	9.92E-04	8.77E-04	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	9.92E-04
723	ALL	residential	487930.6	3618525	NonCancer	8.71E-04	9.02E-04	0.00E+00	6.92E-07	0.00E+00	8.71E-04	9.90E-04	8.71E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	9.90E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
799	ALL	residential	487930.6	3618725	NonCancer	8.72E-04	9.03E-04	0.00E+00	6.93E-07	0.00E+00	8.73E-04	9.90E-04	8.72E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	9.90E-04
761	ALL	residential	487930.6	3618625	NonCancer	8.70E-04	9.00E-04	0.00E+00	6.91E-07	0.00E+00	8.70E-04	9.88E-04	8.70E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	9.88E-04
592	ALL	residential	488430.6	3618125	NonCancer	8.74E-04	9.05E-04	0.00E+00	6.94E-07	0.00E+00	8.74E-04	9.88E-04	8.74E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	9.88E-04
837	ALL	residential	487930.6	3618825	NonCancer	8.71E-04	9.02E-04	0.00E+00	6.92E-07	0.00E+00	8.71E-04	9.87E-04	8.71E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	9.87E-04
556	ALL	residential	488630.6	3618025	NonCancer	8.69E-04	8.99E-04	0.00E+00	6.90E-07	0.00E+00	8.69E-04	9.80E-04	8.69E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	9.80E-04
879	ALL	residential	487930.6	3618925	NonCancer	8.66E-04	8.97E-04	0.00E+00	6.88E-07	0.00E+00	8.66E-04	9.80E-04	8.66E-04	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	9.80E-04
625	ALL	residential	488230.6	3618225	NonCancer	8.65E-04	8.95E-04	0.00E+00	6.87E-07	0.00E+00	8.65E-04	9.80E-04	8.65E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	9.80E-04
1158	ALL	residential	487730.6	3619425	NonCancer	8.63E-04	8.94E-04	0.00E+00	6.86E-07	0.00E+00	8.64E-04	9.80E-04	8.63E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	9.80E-04
1240	ALL	residential	487630.6	3619625	NonCancer	8.63E-04	8.93E-04	0.00E+00	6.85E-07	0.00E+00	8.63E-04	9.77E-04	8.63E-04	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	0.00E+00	9.77E-04
1219	ALL	residential	484130.6	3619625	NonCancer	7.59E-04	7.86E-04	0.00E+00	6.03E-07	0.00E+00	7.60E-04	9.76E-04	7.59E-04	0.00E+00	0.00E+00	0.00E+00	8.99E-06	0.00E+00	0.00E+00	9.76E-04
1387	ALL	residential	484330.6	3620025	NonCancer	8.10E-04	8.39E-04	0.00E+00	6.43E-07	0.00E+00	8.10E-04	9.72E-04	8.10E-04	0.00E+00	0.00E+00	0.00E+00	9.59E-06	0.00E+00	0.00E+00	9.72E-04
1600	ALL	residential	484530.6	3620525	NonCancer	8.38E-04	8.68E-04	0.00E+00	6.66E-07	0.00E+00	8.38E-04	9.71E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	9.92E-06	0.00E+00	0.00E+00	9.71E-04
1261	ALL	residential	484230.6	3619725	NonCancer	7.76E-04	8.03E-04	0.00E+00	6.16E-07	0.00E+00	7.76E-04	9.70E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	9.18E-06	0.00E+00	0.00E+00	9.70E-04
1521	ALL	residential	484430.6	3620325	NonCancer	8.28E-04	8.57E-04	0.00E+00	6.57E-07	0.00E+00	8.28E-04	9.69E-04	8.28E-04	0.00E+00	0.00E+00	0.00E+00	9.79E-06	0.00E+00	0.00E+00	9.69E-04
1218	ALL	residential	484030.6	3619625	NonCancer	7.43E-04	7.69E-04	0.00E+00	5.90E-07	0.00E+00	7.43E-04	9.69E-04	7.43E-04	0.00E+00	0.00E+00	0.00E+00	8.79E-06	0.00E+00	0.00E+00	9.69E-04
934	ALL	residential	487930.6	3619025	NonCancer	8.55E-04	8.85E-04	0.00E+00	6.79E-07	0.00E+00	8.55E-04	9.67E-04	8.55E-04	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	9.67E-04
519	ALL	residential	488830.6	3617925	NonCancer	8.53E-04	8.83E-04	0.00E+00	6.77E-07	0.00E+00	8.53E-04	9.62E-04	8.53E-04	0.00E+00	0.00E+00	0.00E+00	1.01E-05	0.00E+00	0.00E+00	9.62E-04
1043	ALL	residential	487830.6	3619225	NonCancer	8.47E-04	8.77E-04	0.00E+00	6.73E-07	0.00E+00	8.48E-04	9.61E-04	8.47E-04	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	9.61E-04
689	ALL	residential	488030.6	3618425	NonCancer	8.41E-04	8.71E-04	0.00E+00	6.68E-07	0.00E+00	8.42E-04	9.57E-04	8.41E-04	0.00E+00	0.00E+00	0.00E+00	9.96E-06	0.00E+00	0.00E+00	9.57E-04
1199	ALL	residential	487730.6	3619525	NonCancer	8.43E-04	8.73E-04	0.00E+00	6.70E-07	0.00E+00	8.43E-04	9.57E-04	8.43E-04	0.00E+00	0.00E+00	0.00E+00	9.98E-06	0.00E+00	0.00E+00	9.57E-04
479	ALL	residential	489030.6	3617825	NonCancer	8.47E-04	8.77E-04	0.00E+00	6.73E-07	0.00E+00	8.47E-04	9.56E-04	8.47E-04	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	9.56E-04
656	ALL	residential	488130.6	3618325	NonCancer	8.40E-04	8.70E-04	0.00E+00	6.67E-07	0.00E+00	8.41E-04	9.55E-04	8.40E-04	0.00E+00	0.00E+00	0.00E+00	9.95E-06	0.00E+00	0.00E+00	9.55E-04
593	ALL	residential	488530.6	3618125	NonCancer	8.38E-04	8.68E-04	0.00E+00	6.66E-07	0.00E+00	8.38E-04	9.48E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	9.92E-06	0.00E+00	0.00E+00	9.48E-04
1300	ALL	residential	484230.6	3619825	NonCancer	7.65E-04	7.92E-04	0.00E+00	6.08E-07	0.00E+00	7.65E-04	9.48E-04	7.65E-04	0.00E+00	0.00E+00	0.00E+00	9.05E-06	0.00E+00	0.00E+00	9.48E-04
1433	ALL	residential	484330.6	3620125	NonCancer	7.94E-04	8.22E-04	0.00E+00	6.30E-07	0.00E+00	7.94E-04	9.48E-04	7.94E-04	0.00E+00	0.00E+00	0.00E+00	9.39E-06	0.00E+00	0.00E+00	9.48E-04
626	ALL	residential	488330.6	3618225	NonCancer	8.33E-04	8.63E-04	0.00E+00	6.62E-07	0.00E+00	8.33E-04	9.45E-04	8.33E-04	0.00E+00	0.00E+00	0.00E+00	9.86E-06	0.00E+00	0.00E+00	9.45E-04
988	ALL	residential	487930.6	3619125	NonCancer	8.33E-04	8.62E-04	0.00E+00	6.62E-07	0.00E+00	8.33E-04	9.43E-04	8.33E-04	0.00E+00	0.00E+00	0.00E+00	9.86E-06	0.00E+00	0.00E+00	9.43E-04
1561	ALL	residential	484430.6	3620425	NonCancer	8.00E-04	8.28E-04	0.00E+00	6.35E-07	0.00E+00	8.00E-04	9.36E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	9.47E-06	0.00E+00	0.00E+00	9.36E-04
724	ALL	residential	488030.6	3618525	NonCancer	8.22E-04	8.51E-04	0.00E+00	6.53E-07	0.00E+00	8.22E-04	9.36E-04	8.22E-04	0.00E+00	0.00E+00	0.00E+00	9.73E-06	0.00E+00	0.00E+00	9.36E-04
1634	ALL	residential	484530.6	3620625	NonCancer	8.07E-04	8.36E-04	0.00E+00	6.41E-07	0.00E+00	8.07E-04	9.36E-04	8.07E-04	0.00E+00	0.00E+00	0.00E+00	9.55E-06	0.00E+00	0.00E+00	9.36E-04
1101	ALL	residential	487830.6	3619325	NonCancer	8.22E-04	8.51E-04	0.00E+00	6.53E-07	0.00E+00	8.23E-04	9.34E-04	8.22E-04	0.00E+00	0.00E+00	0.00E+00	9.73E-06	0.00E+00	0.00E+00	9.34E-04
838	ALL	residential	488030.6	3618825	NonCancer	8.22E-04	8.51E-04	0.00E+00	6.52E-07	0.00E+00	8.22E-04	9.32E-04	8.22E-04	0.00E+00	0.00E+00	0.00E+00	9.72E-06	0.00E+00	0.00E+00	9.32E-04
762	ALL	residential	488030.6	3618625	NonCancer	8.19E-04	8.48E-04	0.00E+00	6.51E-07	0.00E+00	8.19E-04	9.32E-04	8.19E-04	0.00E+00	0.00E+00	0.00E+00	9.69E-06	0.00E+00	0.00E+00	9.32E-04
800	ALL	residential	488030.6	3618725	NonCancer	8.19E-04	8.48E-04	0.00E+00	6.50E-07	0.00E+00	8.19E-04	9.31E-04	8.19E-04	0.00E+00	0.00E+00	0.00E+00	9.69E-06	0.00E+00	0.00E+00	9.31E-04
880	ALL	residential	488030.6	3618925	NonCancer	8.21E-04	8.50E-04	0.00E+00	6.52E-07	0.00E+00	8.21E-04	9.30E-04	8.21E-04	0.00E+00	0.00E+00	0.00E+00	9.72E-06	0.00E+00	0.00E+00	9.30E-04
1259	ALL	residential	484030.6	3619725	NonCancer	7.21E-04	7.46E-04	0.00E+00	5.73E-07	0.00E+00	7.21E-04	9.29E-04	7.21E-04	0.00E+00	0.00E+00	0.00E+00	8.53E-06	0.00E+00	0.00E+00	9.29E-04
557	ALL	residential	488730.6	3618025	NonCancer	8.21E-04	8.51E-04	0.00E+00	6.52E-07	0.00E+00	8.22E-04	9.29E-04	8.21E-04	0.00E+00	0.00E+00	0.00E+00	9.72E-06	0.00E+00	0.00E+00	9.29E-04
1260	ALL	residential	484130.6	3619725	NonCancer	7.25E-04	7.51E-04	0.00E+00	5.76E-07	0.00E+00	7.25E-04	9.25E-04	7.25E-04	0.00E+00	0.00E+00	0.00E+00	8.58E-06	0.00E+00	0.00E+00	9.25E-04
1478	ALL	residential	484330.6	3620225	NonCancer	7.78E-04	8.05E-04	0.00E+00	6.18E-07	0.00E+00	7.78E-04	9.25E-04	7.78E-04	0.00E+00	0.00E+00	0.00E+00	9.20E-06	0.00E+00	0.00E+00	9.25E-04
1342	ALL	residential	484230.6	3619925	NonCancer	7.52E-04	7.79E-04	0.00E+00	5.97E-07	0.00E+00	7.52E-04	9.24E-04	7.52E-04	0.00E+00	0.00E+00	0.00E+00	8.90E-06	0.00E+00	0.00E+00	9.24E-04
657	ALL	residential	488230.6	3618325	NonCancer	8.09E-04	8.38E-04	0.00E+00	6.43E-07	0.00E+00	8.10E-04	9.20E-04	8.09E-04	0.00E+00	0.00E+00	0.00E+00	9.58E-06	0.00E+00	0.00E+00	9.20E-04
935	ALL	residential	488030.6	3619025	NonCancer	8.10E-04	8.39E-04	0.00E+00	6.44E-07	0.00E+00	8.10E-04	9.17E-04	8.10E-04	0.00E+00	0.00E+00	0.00E+00	9.59E-06	0.00E+00	0.00E+00	9.17E-04
1159	ALL	residential	487830.6	3619425	NonCancer	8.07E-04	8.35E-04	0.00E+00	6.41E-07	0.00E+00	8.07E-04	9.17E-04	8.07E-04	0.00E+00	0.00E+00	0.00E+00	9.55E-06	0.00E+00	0.00E+00	9.17E-04
1044	ALL	residential	487930.6	3619225	NonCancer	8.08E-04	8.37E-04	0.00E+00	6.42E-07	0.00E+00	8.08E-04	9.16E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	9.56E-06	0.00E+00	0.00E+00	9.16E-04
520	ALL	residential	488930.6	3617925	NonCancer	8.09E-04	8.37E-04	0.00E+00	6.42E-07	0.00E+00	8.09E-04	9.14E-04	8.09E-04	0.00E+00	0.00E+00	0.00E+00	9.57E-06	0.00E+00	0.00E+00	9.14E-04
690	ALL	residential	488130.6	3618425	NonCancer	8.03E-04	8.31E-04	0.00E+00	6.37E-07	0.00E+00	8.03E-04	9.13E-04	8.03E-04	0.00E+00	0.00E+00	0.00E+00	9.50E-06	0.00E+00	0.00E+00	9.13E-04
480	ALL	residential	489130.6	3617825	NonCancer	8.06E-04	8.34E-04	0.00E+00	6.40E-07	0.00E+00	8.06E-04	9.11E-04	8.06E-04	0.00E+00	0.00E+00	0.00E+00	9.54E-06	0.00E+00	0.00E+00	9.11E-04
627	ALL	residential	488430.6	3618225	NonCancer	8.00E-04	8.28E-04	0.00E+00	6.35E-07	0.00E+00	8.00E-04	9.08E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	9.47E-06	0.00E+00	0.00E+00	9.08E-04
1386	ALL	residential	484230.6	3620025	NonCancer	7.41E-04	7.67E-04	0.00E+00	5.89E-07	0.00E+00	7.41E-04	9.04E-04	7.41E-04	0.00E+00	0.00E+00	0.00E+00	8.77E-06	0.00E+00	0.00E+00	9.04E-04
1599	ALL	residential	484430.6	3620525	NonCancer	7.73E-04	8.01E-04	0.00E+00	6.14E-07	0.00E+00	7.73E-04	9.04E-04	7.73E-04	0.00E+00	0.00E+00	0.00E+00	9.15E-06	0.00E+00	0.00E+00	9.04E-04
989	ALL	residential	488030.6	3619125	NonCancer	7.96E-04	8.24E-04	0.00E+00	6.32E-07	0.00E+00	7.96E-04	9.01E-04	7.96E-04	0.00E+00	0.00E+00	0.00E+00	9.42E-06	0.00E+00	0.00E+00	9.01E-04
1666	ALL	residential	484530.6	3620725	NonCancer	7.76E-04	8.03E-04	0.00E+00	6.16E-07	0.00E+00	7.76E-04	9.00E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	9.18E-06	0.00E+00	0.00E+00	9.00E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1520	ALL	residential	484330.6	3620325	NonCancer	7.58E-04	7.84E-04	0.00E+00	6.02E-07	0.00E+00	7.58E-04	8.98E-04	7.58E-04	0.00E+00	0.00E+00	0.00E+00	8.97E-06	0.00E+00	0.00E+00	8.98E-04
594	ALL	residential	488630.6	3618125	NonCancer	7.92E-04	8.20E-04	0.00E+00	6.29E-07	0.00E+00	7.92E-04	8.98E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	9.37E-06	0.00E+00	0.00E+00	8.98E-04
1299	ALL	residential	484130.6	3619825	NonCancer	7.06E-04	7.31E-04	0.00E+00	5.60E-07	0.00E+00	7.06E-04	8.92E-04	7.06E-04	0.00E+00	0.00E+00	0.00E+00	8.35E-06	0.00E+00	0.00E+00	8.92E-04
725	ALL	residential	488130.6	3618525	NonCancer	7.82E-04	8.09E-04	0.00E+00	6.21E-07	0.00E+00	7.82E-04	8.90E-04	7.82E-04	0.00E+00	0.00E+00	0.00E+00	9.25E-06	0.00E+00	0.00E+00	8.90E-04
1102	ALL	residential	487930.6	3619325	NonCancer	7.83E-04	8.11E-04	0.00E+00	6.22E-07	0.00E+00	7.83E-04	8.89E-04	7.83E-04	0.00E+00	0.00E+00	0.00E+00	9.27E-06	0.00E+00	0.00E+00	8.89E-04
658	ALL	residential	488330.6	3618325	NonCancer	7.79E-04	8.06E-04	0.00E+00	6.19E-07	0.00E+00	7.79E-04	8.85E-04	7.79E-04	0.00E+00	0.00E+00	0.00E+00	9.22E-06	0.00E+00	0.00E+00	8.85E-04
1432	ALL	residential	484230.6	3620125	NonCancer	7.29E-04	7.55E-04	0.00E+00	5.79E-07	0.00E+00	7.29E-04	8.85E-04	7.29E-04	0.00E+00	0.00E+00	0.00E+00	8.63E-06	0.00E+00	0.00E+00	8.85E-04
763	ALL	residential	488130.6	3618625	NonCancer	7.76E-04	8.03E-04	0.00E+00	6.16E-07	0.00E+00	7.76E-04	8.83E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	9.18E-06	0.00E+00	0.00E+00	8.83E-04
881	ALL	residential	488130.6	3618925	NonCancer	7.78E-04	8.06E-04	0.00E+00	6.18E-07	0.00E+00	7.79E-04	8.83E-04	7.78E-04	0.00E+00	0.00E+00	0.00E+00	9.21E-06	0.00E+00	0.00E+00	8.83E-04
839	ALL	residential	488130.6	3618825	NonCancer	7.77E-04	8.04E-04	0.00E+00	6.17E-07	0.00E+00	7.77E-04	8.82E-04	7.77E-04	0.00E+00	0.00E+00	0.00E+00	9.19E-06	0.00E+00	0.00E+00	8.82E-04
1045	ALL	residential	488030.6	3619225	NonCancer	7.78E-04	8.06E-04	0.00E+00	6.18E-07	0.00E+00	7.79E-04	8.82E-04	7.78E-04	0.00E+00	0.00E+00	0.00E+00	9.21E-06	0.00E+00	0.00E+00	8.82E-04
1298	ALL	residential	484030.6	3619825	NonCancer	6.88E-04	7.12E-04	0.00E+00	5.46E-07	0.00E+00	6.88E-04	8.81E-04	6.88E-04	0.00E+00	0.00E+00	0.00E+00	8.14E-06	0.00E+00	0.00E+00	8.81E-04
558	ALL	residential	488830.6	3618025	NonCancer	7.78E-04	8.05E-04	0.00E+00	6.18E-07	0.00E+00	7.78E-04	8.81E-04	7.78E-04	0.00E+00	0.00E+00	0.00E+00	9.20E-06	0.00E+00	0.00E+00	8.81E-04
801	ALL	residential	488130.6	3618725	NonCancer	7.74E-04	8.01E-04	0.00E+00	6.14E-07	0.00E+00	7.74E-04	8.80E-04	7.74E-04	0.00E+00	0.00E+00	0.00E+00	9.16E-06	0.00E+00	0.00E+00	8.80E-04
691	ALL	residential	488230.6	3618425	NonCancer	7.72E-04	7.99E-04	0.00E+00	6.13E-07	0.00E+00	7.72E-04	8.78E-04	7.72E-04	0.00E+00	0.00E+00	0.00E+00	9.13E-06	0.00E+00	0.00E+00	8.78E-04
936	ALL	residential	488130.6	3619025	NonCancer	7.75E-04	8.02E-04	0.00E+00	6.15E-07	0.00E+00	7.75E-04	8.77E-04	7.75E-04	0.00E+00	0.00E+00	0.00E+00	9.17E-06	0.00E+00	0.00E+00	8.77E-04
1341	ALL	residential	484130.6	3619925	NonCancer	6.98E-04	7.23E-04	0.00E+00	5.55E-07	0.00E+00	6.98E-04	8.74E-04	6.98E-04	0.00E+00	0.00E+00	0.00E+00	8.26E-06	0.00E+00	0.00E+00	8.74E-04
628	ALL	residential	488530.6	3618225	NonCancer	7.70E-04	7.97E-04	0.00E+00	6.11E-07	0.00E+00	7.70E-04	8.74E-04	7.70E-04	0.00E+00	0.00E+00	0.00E+00	9.11E-06	0.00E+00	0.00E+00	8.74E-04
1633	ALL	residential	484430.6	3620625	NonCancer	7.47E-04	7.74E-04	0.00E+00	5.93E-07	0.00E+00	7.47E-04	8.73E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	8.84E-06	0.00E+00	0.00E+00	8.73E-04
521	ALL	residential	489030.6	3617925	NonCancer	7.70E-04	7.98E-04	0.00E+00	6.12E-07	0.00E+00	7.71E-04	8.72E-04	7.70E-04	0.00E+00	0.00E+00	0.00E+00	9.12E-06	0.00E+00	0.00E+00	8.72E-04
1560	ALL	residential	484330.6	3620425	NonCancer	7.35E-04	7.61E-04	0.00E+00	5.83E-07	0.00E+00	7.35E-04	8.69E-04	7.35E-04	0.00E+00	0.00E+00	0.00E+00	8.69E-06	0.00E+00	0.00E+00	8.69E-04
1477	ALL	residential	484230.6	3620225	NonCancer	7.17E-04	7.42E-04	0.00E+00	5.69E-07	0.00E+00	7.17E-04	8.65E-04	7.17E-04	0.00E+00	0.00E+00	0.00E+00	8.48E-06	0.00E+00	0.00E+00	8.65E-04
990	ALL	residential	488130.6	3619125	NonCancer	7.62E-04	7.89E-04	0.00E+00	6.05E-07	0.00E+00	7.62E-04	8.63E-04	7.62E-04	0.00E+00	0.00E+00	0.00E+00	9.02E-06	0.00E+00	0.00E+00	8.63E-04
1340	ALL	residential	484030.6	3619925	NonCancer	6.77E-04	7.01E-04	0.00E+00	5.38E-07	0.00E+00	6.77E-04	8.58E-04	6.77E-04	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	0.00E+00	8.58E-04
1385	ALL	residential	484130.6	3620025	NonCancer	6.88E-04	7.12E-04	0.00E+00	5.46E-07	0.00E+00	6.88E-04	8.54E-04	6.88E-04	0.00E+00	0.00E+00	0.00E+00	8.14E-06	0.00E+00	0.00E+00	8.54E-04
1384	ALL	residential	484030.6	3620025	NonCancer	6.82E-04	7.06E-04	0.00E+00	5.42E-07	0.00E+00	6.82E-04	8.53E-04	6.82E-04	0.00E+00	0.00E+00	0.00E+00	8.07E-06	0.00E+00	0.00E+00	8.53E-04
659	ALL	residential	488430.6	3618325	NonCancer	7.50E-04	7.77E-04	0.00E+00	5.96E-07	0.00E+00	7.50E-04	8.53E-04	7.50E-04	0.00E+00	0.00E+00	0.00E+00	8.88E-06	0.00E+00	0.00E+00	8.53E-04
595	ALL	residential	488730.6	3618125	NonCancer	7.50E-04	7.77E-04	0.00E+00	5.96E-07	0.00E+00	7.51E-04	8.52E-04	7.50E-04	0.00E+00	0.00E+00	0.00E+00	8.88E-06	0.00E+00	0.00E+00	8.52E-04
726	ALL	residential	488230.6	3618525	NonCancer	7.46E-04	7.72E-04	0.00E+00	5.93E-07	0.00E+00	7.46E-04	8.50E-04	7.46E-04	0.00E+00	0.00E+00	0.00E+00	8.83E-06	0.00E+00	0.00E+00	8.50E-04
692	ALL	residential	488330.6	3618425	NonCancer	7.42E-04	7.69E-04	0.00E+00	5.90E-07	0.00E+00	7.43E-04	8.45E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	8.79E-06	0.00E+00	0.00E+00	8.45E-04
1665	ALL	residential	484430.6	3620725	NonCancer	7.22E-04	7.48E-04	0.00E+00	5.74E-07	0.00E+00	7.23E-04	8.45E-04	7.22E-04	0.00E+00	0.00E+00	0.00E+00	8.55E-06	0.00E+00	0.00E+00	8.45E-04
1598	ALL	residential	484330.6	3620525	NonCancer	7.13E-04	7.38E-04	0.00E+00	5.66E-07	0.00E+00	7.13E-04	8.42E-04	7.13E-04	0.00E+00	0.00E+00	0.00E+00	8.44E-06	0.00E+00	0.00E+00	8.42E-04
1519	ALL	residential	484230.6	3620325	NonCancer	6.99E-04	7.24E-04	0.00E+00	5.55E-07	0.00E+00	6.99E-04	8.40E-04	6.99E-04	0.00E+00	0.00E+00	0.00E+00	8.27E-06	0.00E+00	0.00E+00	8.40E-04
882	ALL	residential	488230.6	3618925	NonCancer	7.40E-04	7.66E-04	0.00E+00	5.87E-07	0.00E+00	7.40E-04	8.39E-04	7.40E-04	0.00E+00	0.00E+00	0.00E+00	8.75E-06	0.00E+00	0.00E+00	8.39E-04
764	ALL	residential	488230.6	3618625	NonCancer	7.36E-04	7.62E-04	0.00E+00	5.84E-07	0.00E+00	7.36E-04	8.38E-04	7.36E-04	0.00E+00	0.00E+00	0.00E+00	8.71E-06	0.00E+00	0.00E+00	8.38E-04
559	ALL	residential	488930.6	3618025	NonCancer	7.38E-04	7.64E-04	0.00E+00	5.86E-07	0.00E+00	7.38E-04	8.37E-04	7.38E-04	0.00E+00	0.00E+00	0.00E+00	8.74E-06	0.00E+00	0.00E+00	8.37E-04
629	ALL	residential	488630.6	3618225	NonCancer	7.37E-04	7.63E-04	0.00E+00	5.85E-07	0.00E+00	7.37E-04	8.37E-04	7.37E-04	0.00E+00	0.00E+00	0.00E+00	8.72E-06	0.00E+00	0.00E+00	8.37E-04
840	ALL	residential	488230.6	3618825	NonCancer	7.36E-04	7.62E-04	0.00E+00	5.85E-07	0.00E+00	7.36E-04	8.37E-04	7.36E-04	0.00E+00	0.00E+00	0.00E+00	8.71E-06	0.00E+00	0.00E+00	8.37E-04
937	ALL	residential	488230.6	3619025	NonCancer	7.38E-04	7.64E-04	0.00E+00	5.86E-07	0.00E+00	7.38E-04	8.36E-04	7.38E-04	0.00E+00	0.00E+00	0.00E+00	8.73E-06	0.00E+00	0.00E+00	8.36E-04
1430	ALL	residential	484030.6	3620125	NonCancer	6.73E-04	6.97E-04	0.00E+00	5.35E-07	0.00E+00	6.73E-04	8.36E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	7.96E-06	0.00E+00	0.00E+00	8.36E-04
802	ALL	residential	488230.6	3618725	NonCancer	7.33E-04	7.59E-04	0.00E+00	5.82E-07	0.00E+00	7.33E-04	8.34E-04	7.33E-04	0.00E+00	0.00E+00	0.00E+00	8.68E-06	0.00E+00	0.00E+00	8.34E-04
1431	ALL	residential	484130.6	3620125	NonCancer	6.77E-04	7.01E-04	0.00E+00	5.37E-07	0.00E+00	6.77E-04	8.34E-04	6.77E-04	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	0.00E+00	8.34E-04
522	ALL	residential	489130.6	3617925	NonCancer	7.32E-04	7.58E-04	0.00E+00	5.81E-07	0.00E+00	7.32E-04	8.30E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	8.66E-06	0.00E+00	0.00E+00	8.30E-04
660	ALL	residential	488530.6	3618325	NonCancer	7.20E-04	7.46E-04	0.00E+00	5.72E-07	0.00E+00	7.21E-04	8.20E-04	7.20E-04	0.00E+00	0.00E+00	0.00E+00	8.53E-06	0.00E+00	0.00E+00	8.20E-04
1476	ALL	residential	484130.6	3620225	NonCancer	6.69E-04	6.93E-04	0.00E+00	5.31E-07	0.00E+00	6.69E-04	8.20E-04	6.69E-04	0.00E+00	0.00E+00	0.00E+00	7.92E-06	0.00E+00	0.00E+00	8.20E-04
727	ALL	residential	488330.6	3618525	NonCancer	7.18E-04	7.43E-04	0.00E+00	5.70E-07	0.00E+00	7.18E-04	8.18E-04	7.18E-04	0.00E+00	0.00E+00	0.00E+00	8.49E-06	0.00E+00	0.00E+00	8.18E-04
1632	ALL	residential	484330.6	3620625	NonCancer	6.93E-04	7.18E-04	0.00E+00	5.50E-07	0.00E+00	6.93E-04	8.18E-04	6.93E-04	0.00E+00	0.00E+00	0.00E+00	8.20E-06	0.00E+00	0.00E+00	8.18E-04
1475	ALL	residential	484030.6	3620225	NonCancer	6.63E-04	6.86E-04	0.00E+00	5.26E-07	0.00E+00	6.63E-04	8.17E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	7.84E-06	0.00E+00	0.00E+00	8.17E-04
1713	ALL	residential	484430.6	3620825	NonCancer	6.97E-04	7.22E-04	0.00E+00	5.54E-07	0.00E+00	6.97E-04	8.16E-04	6.97E-04	0.00E+00	0.00E+00	0.00E+00	8.25E-06	0.00E+00	0.00E+00	8.16E-04
693	ALL	residential	488430.6	3618425	NonCancer	7.13E-04	7.39E-04	0.00E+00	5.67E-07	0.00E+00	7.14E-04	8.13E-04	7.13E-04	0.00E+00	0.00E+00	0.00E+00	8.44E-06	0.00E+00	0.00E+00	8.13E-04
1559	ALL	residential	484230.6	3620425	NonCancer	6.78E-04	7.02E-04	0.00E+00	5.38E-07	0.00E+00	6.78E-04	8.12E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	8.02E-06	0.00E+00	0.00E+00	8.12E-04
596	ALL	residential	488830.6	3618125	NonCancer	7.12E-04	7.37E-04	0.00E+00	5.65E-07	0.00E+00	7.12E-04	8.09E-04	7.12E-04	0.00E+00	0.00E+00	0.00E+00	8.42E-06	0.00E+00	0.00E+00	8.09E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
765	ALL	residential	488330.6	3618625	NonCancer	7.03E-04	7.28E-04	0.00E+00	5.58E-07	0.00E+00	7.03E-04	8.01E-04	7.03E-04	0.00E+00	0.00E+00	0.00E+00	8.32E-06	0.00E+00	0.00E+00	8.01E-04
883	ALL	residential	488330.6	3618925	NonCancer	7.04E-04	7.28E-04	0.00E+00	5.59E-07	0.00E+00	7.04E-04	7.99E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	8.33E-06	0.00E+00	0.00E+00	7.99E-04
1517	ALL	residential	484030.6	3620325	NonCancer	6.50E-04	6.73E-04	0.00E+00	5.16E-07	0.00E+00	6.50E-04	7.98E-04	6.50E-04	0.00E+00	0.00E+00	0.00E+00	7.69E-06	0.00E+00	0.00E+00	7.98E-04
560	ALL	residential	489030.6	3618025	NonCancer	7.02E-04	7.27E-04	0.00E+00	5.57E-07	0.00E+00	7.02E-04	7.97E-04	7.02E-04	0.00E+00	0.00E+00	0.00E+00	8.30E-06	0.00E+00	0.00E+00	7.97E-04
1518	ALL	residential	484130.6	3620325	NonCancer	6.53E-04	6.76E-04	0.00E+00	5.19E-07	0.00E+00	6.53E-04	7.96E-04	6.53E-04	0.00E+00	0.00E+00	0.00E+00	7.73E-06	0.00E+00	0.00E+00	7.96E-04
803	ALL	residential	488330.6	3618725	NonCancer	6.99E-04	7.23E-04	0.00E+00	5.55E-07	0.00E+00	6.99E-04	7.96E-04	6.99E-04	0.00E+00	0.00E+00	0.00E+00	8.27E-06	0.00E+00	0.00E+00	7.96E-04
841	ALL	residential	488330.6	3618825	NonCancer	6.99E-04	7.24E-04	0.00E+00	5.55E-07	0.00E+00	6.99E-04	7.96E-04	6.99E-04	0.00E+00	0.00E+00	0.00E+00	8.28E-06	0.00E+00	0.00E+00	7.96E-04
630	ALL	residential	488730.6	3618225	NonCancer	6.98E-04	7.23E-04	0.00E+00	5.54E-07	0.00E+00	6.98E-04	7.95E-04	6.98E-04	0.00E+00	0.00E+00	0.00E+00	8.26E-06	0.00E+00	0.00E+00	7.95E-04
1664	ALL	residential	484330.6	3620725	NonCancer	6.72E-04	6.96E-04	0.00E+00	5.34E-07	0.00E+00	6.72E-04	7.92E-04	6.72E-04	0.00E+00	0.00E+00	0.00E+00	7.95E-06	0.00E+00	0.00E+00	7.92E-04
1597	ALL	residential	484230.6	3620525	NonCancer	6.61E-04	6.84E-04	0.00E+00	5.25E-07	0.00E+00	6.61E-04	7.90E-04	6.61E-04	0.00E+00	0.00E+00	0.00E+00	7.82E-06	0.00E+00	0.00E+00	7.90E-04
661	ALL	residential	488630.6	3618325	NonCancer	6.90E-04	7.14E-04	0.00E+00	5.48E-07	0.00E+00	6.90E-04	7.86E-04	6.90E-04	0.00E+00	0.00E+00	0.00E+00	8.16E-06	0.00E+00	0.00E+00	7.86E-04
728	ALL	residential	488430.6	3618525	NonCancer	6.88E-04	7.13E-04	0.00E+00	5.47E-07	0.00E+00	6.88E-04	7.85E-04	6.88E-04	0.00E+00	0.00E+00	0.00E+00	8.15E-06	0.00E+00	0.00E+00	7.85E-04
694	ALL	residential	488530.6	3618425	NonCancer	6.85E-04	7.09E-04	0.00E+00	5.44E-07	0.00E+00	6.85E-04	7.81E-04	6.85E-04	0.00E+00	0.00E+00	0.00E+00	8.11E-06	0.00E+00	0.00E+00	7.81E-04
1558	ALL	residential	484130.6	3620425	NonCancer	6.34E-04	6.57E-04	0.00E+00	5.04E-07	0.00E+00	6.35E-04	7.71E-04	6.34E-04	0.00E+00	0.00E+00	0.00E+00	7.51E-06	0.00E+00	0.00E+00	7.71E-04
597	ALL	residential	488930.6	3618125	NonCancer	6.76E-04	7.00E-04	0.00E+00	5.37E-07	0.00E+00	6.76E-04	7.70E-04	6.76E-04	0.00E+00	0.00E+00	0.00E+00	8.00E-06	0.00E+00	0.00E+00	7.70E-04
1712	ALL	residential	484330.6	3620825	NonCancer	6.53E-04	6.76E-04	0.00E+00	5.18E-07	0.00E+00	6.53E-04	7.70E-04	6.53E-04	0.00E+00	0.00E+00	0.00E+00	7.72E-06	0.00E+00	0.00E+00	7.70E-04
766	ALL	residential	488430.6	3618625	NonCancer	6.73E-04	6.97E-04	0.00E+00	5.35E-07	0.00E+00	6.73E-04	7.68E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	7.97E-06	0.00E+00	0.00E+00	7.68E-04
1631	ALL	residential	484230.6	3620625	NonCancer	6.42E-04	6.65E-04	0.00E+00	5.10E-07	0.00E+00	6.42E-04	7.66E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	7.60E-06	0.00E+00	0.00E+00	7.66E-04
561	ALL	residential	489130.6	3618025	NonCancer	6.68E-04	6.91E-04	0.00E+00	5.30E-07	0.00E+00	6.68E-04	7.60E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	7.90E-06	0.00E+00	0.00E+00	7.60E-04
804	ALL	residential	488430.6	3618725	NonCancer	6.65E-04	6.89E-04	0.00E+00	5.28E-07	0.00E+00	6.65E-04	7.58E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	7.87E-06	0.00E+00	0.00E+00	7.58E-04
842	ALL	residential	488430.6	3618825	NonCancer	6.64E-04	6.88E-04	0.00E+00	5.28E-07	0.00E+00	6.65E-04	7.57E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	7.86E-06	0.00E+00	0.00E+00	7.57E-04
631	ALL	residential	488830.6	3618225	NonCancer	6.63E-04	6.86E-04	0.00E+00	5.26E-07	0.00E+00	6.63E-04	7.55E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	7.84E-06	0.00E+00	0.00E+00	7.55E-04
729	ALL	residential	488530.6	3618525	NonCancer	6.60E-04	6.83E-04	0.00E+00	5.24E-07	0.00E+00	6.60E-04	7.53E-04	6.60E-04	0.00E+00	0.00E+00	0.00E+00	7.81E-06	0.00E+00	0.00E+00	7.53E-04
695	ALL	residential	488630.6	3618425	NonCancer	6.57E-04	6.81E-04	0.00E+00	5.22E-07	0.00E+00	6.57E-04	7.50E-04	6.57E-04	0.00E+00	0.00E+00	0.00E+00	7.78E-06	0.00E+00	0.00E+00	7.50E-04
1596	ALL	residential	484130.6	3620525	NonCancer	6.18E-04	6.40E-04	0.00E+00	4.91E-07	0.00E+00	6.18E-04	7.48E-04	6.18E-04	0.00E+00	0.00E+00	0.00E+00	7.31E-06	0.00E+00	0.00E+00	7.48E-04
1557	ALL	residential	484030.6	3620425	NonCancer	6.08E-04	6.30E-04	0.00E+00	4.83E-07	0.00E+00	6.09E-04	7.48E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	7.20E-06	0.00E+00	0.00E+00	7.48E-04
1746	ALL	residential	484330.6	3620925	NonCancer	6.33E-04	6.56E-04	0.00E+00	5.03E-07	0.00E+00	6.33E-04	7.47E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	7.49E-06	0.00E+00	0.00E+00	7.47E-04
1663	ALL	residential	484230.6	3620725	NonCancer	6.27E-04	6.49E-04	0.00E+00	4.98E-07	0.00E+00	6.27E-04	7.47E-04	6.27E-04	0.00E+00	0.00E+00	0.00E+00	7.42E-06	0.00E+00	0.00E+00	7.47E-04
662	ALL	residential	488730.6	3618325	NonCancer	6.54E-04	6.77E-04	0.00E+00	5.19E-07	0.00E+00	6.54E-04	7.47E-04	6.54E-04	0.00E+00	0.00E+00	0.00E+00	7.74E-06	0.00E+00	0.00E+00	7.47E-04
767	ALL	residential	488530.6	3618625	NonCancer	6.44E-04	6.67E-04	0.00E+00	5.11E-07	0.00E+00	6.44E-04	7.35E-04	6.44E-04	0.00E+00	0.00E+00	0.00E+00	7.62E-06	0.00E+00	0.00E+00	7.35E-04
598	ALL	residential	489030.6	3618125	NonCancer	6.44E-04	6.66E-04	0.00E+00	5.11E-07	0.00E+00	6.44E-04	7.34E-04	6.44E-04	0.00E+00	0.00E+00	0.00E+00	7.62E-06	0.00E+00	0.00E+00	7.34E-04
1630	ALL	residential	484130.6	3620625	NonCancer	6.00E-04	6.22E-04	0.00E+00	4.77E-07	0.00E+00	6.01E-04	7.26E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	7.11E-06	0.00E+00	0.00E+00	7.26E-04
1711	ALL	residential	484230.6	3620825	NonCancer	6.09E-04	6.31E-04	0.00E+00	4.84E-07	0.00E+00	6.09E-04	7.25E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	7.21E-06	0.00E+00	0.00E+00	7.25E-04
805	ALL	residential	488530.6	3618725	NonCancer	6.34E-04	6.57E-04	0.00E+00	5.04E-07	0.00E+00	6.34E-04	7.24E-04	6.34E-04	0.00E+00	0.00E+00	0.00E+00	7.51E-06	0.00E+00	0.00E+00	7.24E-04
730	ALL	residential	488630.6	3618525	NonCancer	6.33E-04	6.56E-04	0.00E+00	5.03E-07	0.00E+00	6.33E-04	7.23E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	7.49E-06	0.00E+00	0.00E+00	7.23E-04
1595	ALL	residential	484030.6	3620525	NonCancer	5.86E-04	6.07E-04	0.00E+00	4.66E-07	0.00E+00	5.86E-04	7.20E-04	5.86E-04	0.00E+00	0.00E+00	0.00E+00	6.94E-06	0.00E+00	0.00E+00	7.20E-04
632	ALL	residential	488930.6	3618225	NonCancer	6.29E-04	6.51E-04	0.00E+00	5.00E-07	0.00E+00	6.29E-04	7.18E-04	6.29E-04	0.00E+00	0.00E+00	0.00E+00	7.44E-06	0.00E+00	0.00E+00	7.18E-04
696	ALL	residential	488730.6	3618425	NonCancer	6.25E-04	6.47E-04	0.00E+00	4.96E-07	0.00E+00	6.25E-04	7.14E-04	6.25E-04	0.00E+00	0.00E+00	0.00E+00	7.40E-06	0.00E+00	0.00E+00	7.14E-04
663	ALL	residential	488830.6	3618325	NonCancer	6.21E-04	6.43E-04	0.00E+00	4.94E-07	0.00E+00	6.21E-04	7.10E-04	6.21E-04	0.00E+00	0.00E+00	0.00E+00	7.35E-06	0.00E+00	0.00E+00	7.10E-04
1745	ALL	residential	484230.6	3620925	NonCancer	5.94E-04	6.15E-04	0.00E+00	4.72E-07	0.00E+00	5.94E-04	7.07E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	7.03E-06	0.00E+00	0.00E+00	7.07E-04
1662	ALL	residential	484130.6	3620725	NonCancer	5.86E-04	6.07E-04	0.00E+00	4.65E-07	0.00E+00	5.86E-04	7.07E-04	5.86E-04	0.00E+00	0.00E+00	0.00E+00	6.93E-06	0.00E+00	0.00E+00	7.07E-04
768	ALL	residential	488630.6	3618625	NonCancer	6.17E-04	6.39E-04	0.00E+00	4.90E-07	0.00E+00	6.17E-04	7.05E-04	6.17E-04	0.00E+00	0.00E+00	0.00E+00	7.30E-06	0.00E+00	0.00E+00	7.05E-04
599	ALL	residential	489130.6	3618125	NonCancer	6.13E-04	6.35E-04	0.00E+00	4.87E-07	0.00E+00	6.13E-04	7.00E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	7.25E-06	0.00E+00	0.00E+00	7.00E-04
1629	ALL	residential	484030.6	3620625	NonCancer	5.69E-04	5.89E-04	0.00E+00	4.52E-07	0.00E+00	5.69E-04	6.97E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	6.74E-06	0.00E+00	0.00E+00	6.97E-04
731	ALL	residential	488730.6	3618525	NonCancer	6.02E-04	6.23E-04	0.00E+00	4.78E-07	0.00E+00	6.02E-04	6.89E-04	6.02E-04	0.00E+00	0.00E+00	0.00E+00	7.13E-06	0.00E+00	0.00E+00	6.89E-04
1772	ALL	residential	484230.6	3621025	NonCancer	5.79E-04	5.99E-04	0.00E+00	4.59E-07	0.00E+00	5.79E-04	6.88E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	6.85E-06	0.00E+00	0.00E+00	6.88E-04
1710	ALL	residential	484130.6	3620825	NonCancer	5.70E-04	5.91E-04	0.00E+00	4.53E-07	0.00E+00	5.70E-04	6.87E-04	5.70E-04	0.00E+00	0.00E+00	0.00E+00	6.75E-06	0.00E+00	0.00E+00	6.87E-04
633	ALL	residential	489030.6	3618225	NonCancer	5.99E-04	6.20E-04	0.00E+00	4.75E-07	0.00E+00	5.99E-04	6.84E-04	5.99E-04	0.00E+00	0.00E+00	0.00E+00	7.08E-06	0.00E+00	0.00E+00	6.84E-04
697	ALL	residential	488830.6	3618425	NonCancer	5.93E-04	6.14E-04	0.00E+00	4.71E-07	0.00E+00	5.93E-04	6.79E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	7.02E-06	0.00E+00	0.00E+00	6.79E-04
664	ALL	residential	488930.6	3618325	NonCancer	5.91E-04	6.11E-04	0.00E+00	4.69E-07	0.00E+00	5.91E-04	6.76E-04	5.91E-04	0.00E+00	0.00E+00	0.00E+00	6.99E-06	0.00E+00	0.00E+00	6.76E-04
1661	ALL	residential	484030.6	3620725	NonCancer	5.53E-04	5.72E-04	0.00E+00	4.39E-07	0.00E+00	5.53E-04	6.75E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	6.54E-06	0.00E+00	0.00E+00	6.75E-04
1744	ALL	residential	484130.6	3620925	NonCancer	5.58E-04	5.77E-04	0.00E+00	4.43E-07	0.00E+00	5.58E-04	6.70E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	6.60E-06	0.00E+00	0.00E+00	6.70E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1808	ALL	residential	484230.6	3621125	NonCancer	5.62E-04	5.82E-04	0.00E+00	4.47E-07	0.00E+00	5.62E-04	6.69E-04	5.62E-04	0.00E+00	0.00E+00	0.00E+00	6.66E-06	0.00E+00	0.00E+00	6.69E-04
1660	ALL	residential	483930.6	3620725	NonCancer	5.35E-04	5.54E-04	0.00E+00	4.25E-07	0.00E+00	5.35E-04	6.61E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	6.33E-06	0.00E+00	0.00E+00	6.61E-04
1709	ALL	residential	484030.6	3620825	NonCancer	5.37E-04	5.56E-04	0.00E+00	4.26E-07	0.00E+00	5.37E-04	6.55E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	6.35E-06	0.00E+00	0.00E+00	6.55E-04
1771	ALL	residential	484130.6	3621025	NonCancer	5.43E-04	5.62E-04	0.00E+00	4.31E-07	0.00E+00	5.43E-04	6.52E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	6.43E-06	0.00E+00	0.00E+00	6.52E-04
1743	ALL	residential	484030.6	3620925	NonCancer	5.24E-04	5.42E-04	0.00E+00	4.16E-07	0.00E+00	5.24E-04	6.37E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	6.37E-04
1807	ALL	residential	484130.6	3621125	NonCancer	5.30E-04	5.49E-04	0.00E+00	4.21E-07	0.00E+00	5.30E-04	6.37E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	6.28E-06	0.00E+00	0.00E+00	6.37E-04
1708	ALL	residential	483930.6	3620825	NonCancer	5.13E-04	5.32E-04	0.00E+00	4.08E-07	0.00E+00	5.13E-04	6.34E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	6.08E-06	0.00E+00	0.00E+00	6.34E-04
1858	ALL	residential	484130.6	3621225	NonCancer	5.18E-04	5.36E-04	0.00E+00	4.11E-07	0.00E+00	5.18E-04	6.21E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	6.12E-06	0.00E+00	0.00E+00	6.21E-04
1770	ALL	residential	484030.6	3621025	NonCancer	5.10E-04	5.28E-04	0.00E+00	4.05E-07	0.00E+00	5.10E-04	6.20E-04	5.10E-04	0.00E+00	0.00E+00	0.00E+00	6.04E-06	0.00E+00	0.00E+00	6.20E-04
1742	ALL	residential	483930.6	3620925	NonCancer	4.97E-04	5.15E-04	0.00E+00	3.95E-07	0.00E+00	4.97E-04	6.13E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	5.88E-06	0.00E+00	0.00E+00	6.13E-04
1806	ALL	residential	484030.6	3621125	NonCancer	4.98E-04	5.16E-04	0.00E+00	3.96E-07	0.00E+00	4.98E-04	6.05E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	5.90E-06	0.00E+00	0.00E+00	6.05E-04
1741	ALL	residential	483830.6	3620925	NonCancer	4.82E-04	4.99E-04	0.00E+00	3.83E-07	0.00E+00	4.82E-04	6.01E-04	4.82E-04	0.00E+00	0.00E+00	0.00E+00	5.71E-06	0.00E+00	0.00E+00	6.01E-04
1769	ALL	residential	483930.6	3621025	NonCancer	4.83E-04	5.00E-04	0.00E+00	3.84E-07	0.00E+00	4.83E-04	5.95E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	5.72E-06	0.00E+00	0.00E+00	5.95E-04
1857	ALL	residential	484030.6	3621225	NonCancer	4.88E-04	5.05E-04	0.00E+00	3.87E-07	0.00E+00	4.88E-04	5.91E-04	4.88E-04	0.00E+00	0.00E+00	0.00E+00	5.77E-06	0.00E+00	0.00E+00	5.91E-04
1805	ALL	residential	483930.6	3621125	NonCancer	4.71E-04	4.88E-04	0.00E+00	3.74E-07	0.00E+00	4.71E-04	5.79E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	5.57E-06	0.00E+00	0.00E+00	5.79E-04
1768	ALL	residential	483830.6	3621025	NonCancer	4.64E-04	4.80E-04	0.00E+00	3.69E-07	0.00E+00	4.64E-04	5.78E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	5.49E-06	0.00E+00	0.00E+00	5.78E-04
1856	ALL	residential	483930.6	3621225	NonCancer	4.60E-04	4.76E-04	0.00E+00	3.65E-07	0.00E+00	4.60E-04	5.64E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	5.44E-06	0.00E+00	0.00E+00	5.64E-04
1804	ALL	residential	483830.6	3621125	NonCancer	4.49E-04	4.65E-04	0.00E+00	3.56E-07	0.00E+00	4.49E-04	5.59E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	5.31E-06	0.00E+00	0.00E+00	5.59E-04
1855	ALL	residential	483830.6	3621225	NonCancer	4.35E-04	4.51E-04	0.00E+00	3.46E-07	0.00E+00	4.36E-04	5.41E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	5.15E-06	0.00E+00	0.00E+00	5.41E-04
1854	ALL	residential	482630.6	3621225	NonCancer	2.56E-04	2.65E-04	0.00E+00	2.04E-07	0.00E+00	2.56E-04	3.80E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	3.80E-04
1683	ALL	residential	479030.6	3620825	NonCancer	1.95E-04	2.02E-04	0.00E+00	1.55E-07	0.00E+00	1.95E-04	3.08E-04	1.95E-04	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	3.08E-04
1682	ALL	residential	478930.6	3620825	NonCancer	1.94E-04	2.01E-04	0.00E+00	1.54E-07	0.00E+00	1.94E-04	3.04E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	3.04E-04
1731	ALL	residential	479230.6	3620925	NonCancer	1.89E-04	1.95E-04	0.00E+00	1.50E-07	0.00E+00	1.89E-04	3.00E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	3.00E-04
1681	ALL	residential	478830.6	3620825	NonCancer	1.93E-04	2.00E-04	0.00E+00	1.53E-07	0.00E+00	1.93E-04	2.98E-04	1.93E-04	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	2.98E-04
1657	ALL	residential	478630.6	3620725	NonCancer	1.95E-04	2.02E-04	0.00E+00	1.55E-07	0.00E+00	1.95E-04	2.97E-04	1.95E-04	0.00E+00	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	2.97E-04
1730	ALL	residential	479130.6	3620925	NonCancer	1.88E-04	1.95E-04	0.00E+00	1.49E-07	0.00E+00	1.88E-04	2.97E-04	1.88E-04	0.00E+00	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	2.97E-04
1627	ALL	residential	478530.6	3620625	NonCancer	1.94E-04	2.01E-04	0.00E+00	1.54E-07	0.00E+00	1.94E-04	2.94E-04	1.94E-04	0.00E+00	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00	2.94E-04
1764	ALL	residential	479430.6	3621025	NonCancer	1.81E-04	1.88E-04	0.00E+00	1.44E-07	0.00E+00	1.81E-04	2.92E-04	1.81E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	2.92E-04
1729	ALL	residential	479030.6	3620925	NonCancer	1.87E-04	1.93E-04	0.00E+00	1.48E-07	0.00E+00	1.87E-04	2.92E-04	1.87E-04	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	2.92E-04
1680	ALL	residential	478730.6	3620825	NonCancer	1.90E-04	1.97E-04	0.00E+00	1.51E-07	0.00E+00	1.90E-04	2.90E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	2.90E-04
1590	ALL	residential	478430.6	3620525	NonCancer	1.93E-04	1.99E-04	0.00E+00	1.53E-07	0.00E+00	1.93E-04	2.89E-04	1.93E-04	0.00E+00	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	2.89E-04
1763	ALL	residential	479330.6	3621025	NonCancer	1.80E-04	1.87E-04	0.00E+00	1.43E-07	0.00E+00	1.80E-04	2.88E-04	1.80E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	2.88E-04
1728	ALL	residential	478930.6	3620925	NonCancer	1.85E-04	1.92E-04	0.00E+00	1.47E-07	0.00E+00	1.85E-04	2.86E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	2.86E-04
1791	ALL	residential	479630.6	3621125	NonCancer	1.74E-04	1.80E-04	0.00E+00	1.38E-07	0.00E+00	1.74E-04	2.84E-04	1.74E-04	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	2.84E-04
1762	ALL	residential	479230.6	3621025	NonCancer	1.79E-04	1.86E-04	0.00E+00	1.43E-07	0.00E+00	1.80E-04	2.84E-04	1.79E-04	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	2.84E-04
1551	ALL	residential	478330.6	3620425	NonCancer	1.90E-04	1.97E-04	0.00E+00	1.51E-07	0.00E+00	1.90E-04	2.84E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	2.84E-04
1656	ALL	residential	478530.6	3620725	NonCancer	1.89E-04	1.95E-04	0.00E+00	1.50E-07	0.00E+00	1.89E-04	2.83E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	2.83E-04
1790	ALL	residential	479530.6	3621125	NonCancer	1.74E-04	1.80E-04	0.00E+00	1.38E-07	0.00E+00	1.74E-04	2.81E-04	1.74E-04	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	2.81E-04
1626	ALL	residential	478430.6	3620625	NonCancer	1.89E-04	1.95E-04	0.00E+00	1.50E-07	0.00E+00	1.89E-04	2.81E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	2.81E-04
1761	ALL	residential	479130.6	3621025	NonCancer	1.78E-04	1.85E-04	0.00E+00	1.42E-07	0.00E+00	1.78E-04	2.80E-04	1.78E-04	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	2.80E-04
1727	ALL	residential	478830.6	3620925	NonCancer	1.83E-04	1.89E-04	0.00E+00	1.45E-07	0.00E+00	1.83E-04	2.79E-04	1.83E-04	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	2.79E-04
1679	ALL	residential	478630.6	3620825	NonCancer	1.85E-04	1.91E-04	0.00E+00	1.47E-07	0.00E+00	1.85E-04	2.78E-04	1.85E-04	0.00E+00	0.00E+00	0.00E+00	2.19E-06	0.00E+00	0.00E+00	2.78E-04
844	ALL	residential	477730.6	3618925	NonCancer	1.82E-04	1.88E-04	0.00E+00	1.44E-07	0.00E+00	1.82E-04	2.77E-04	1.82E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	2.77E-04
1509	ALL	residential	478230.6	3620325	NonCancer	1.86E-04	1.93E-04	0.00E+00	1.48E-07	0.00E+00	1.86E-04	2.77E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	2.77E-04
1789	ALL	residential	479430.6	3621125	NonCancer	1.73E-04	1.79E-04	0.00E+00	1.37E-07	0.00E+00	1.73E-04	2.76E-04	1.73E-04	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	2.76E-04
1589	ALL	residential	478330.6	3620525	NonCancer	1.87E-04	1.93E-04	0.00E+00	1.48E-07	0.00E+00	1.87E-04	2.76E-04	1.87E-04	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	2.76E-04
1830	ALL	residential	480030.6	3621225	NonCancer	1.66E-04	1.71E-04	0.00E+00	1.32E-07	0.00E+00	1.66E-04	2.76E-04	1.66E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	2.76E-04
1760	ALL	residential	479030.6	3621025	NonCancer	1.77E-04	1.83E-04	0.00E+00	1.40E-07	0.00E+00	1.77E-04	2.74E-04	1.77E-04	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	2.74E-04
1829	ALL	residential	479930.6	3621225	NonCancer	1.65E-04	1.71E-04	0.00E+00	1.31E-07	0.00E+00	1.65E-04	2.74E-04	1.65E-04	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	2.74E-04
891	ALL	residential	477730.6	3619025	NonCancer	1.81E-04	1.87E-04	0.00E+00	1.44E-07	0.00E+00	1.81E-04	2.74E-04	1.81E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-06	0.00E+00	0.00E+00	2.74E-04
1828	ALL	residential	479830.6	3621225	NonCancer	1.65E-04	1.71E-04	0.00E+00	1.31E-07	0.00E+00	1.65E-04	2.73E-04	1.65E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	2.73E-04
1827	ALL	residential	479730.6	3621225	NonCancer	1.65E-04	1.71E-04	0.00E+00	1.31E-07	0.00E+00	1.65E-04	2.71E-04	1.65E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	2.71E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1788	ALL	residential	479330.6	3621125	NonCancer	1.70E-04	1.76E-04	0.00E+00	1.35E-07	0.00E+00	1.70E-04	2.71E-04	1.70E-04	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	2.71E-04
1655	ALL	residential	478430.6	3620725	NonCancer	1.83E-04	1.90E-04	0.00E+00	1.45E-07	0.00E+00	1.83E-04	2.70E-04	1.83E-04	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	2.70E-04
1726	ALL	residential	478730.6	3620925	NonCancer	1.78E-04	1.84E-04	0.00E+00	1.41E-07	0.00E+00	1.78E-04	2.70E-04	1.78E-04	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	2.70E-04
945	ALL	residential	477730.6	3619125	NonCancer	1.79E-04	1.85E-04	0.00E+00	1.42E-07	0.00E+00	1.79E-04	2.69E-04	1.79E-04	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	2.69E-04
1550	ALL	residential	478230.6	3620425	NonCancer	1.83E-04	1.89E-04	0.00E+00	1.45E-07	0.00E+00	1.83E-04	2.69E-04	1.83E-04	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	2.69E-04
1826	ALL	residential	479630.6	3621225	NonCancer	1.66E-04	1.71E-04	0.00E+00	1.31E-07	0.00E+00	1.66E-04	2.69E-04	1.66E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	2.69E-04
1625	ALL	residential	478330.6	3620625	NonCancer	1.83E-04	1.89E-04	0.00E+00	1.45E-07	0.00E+00	1.83E-04	2.68E-04	1.83E-04	0.00E+00	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	2.68E-04
1759	ALL	residential	478930.6	3621025	NonCancer	1.74E-04	1.80E-04	0.00E+00	1.38E-07	0.00E+00	1.74E-04	2.68E-04	1.74E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	2.68E-04
1678	ALL	residential	478530.6	3620825	NonCancer	1.80E-04	1.86E-04	0.00E+00	1.43E-07	0.00E+00	1.80E-04	2.67E-04	1.80E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	2.67E-04
1787	ALL	residential	479230.6	3621125	NonCancer	1.70E-04	1.76E-04	0.00E+00	1.35E-07	0.00E+00	1.70E-04	2.67E-04	1.70E-04	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	2.67E-04
1825	ALL	residential	479530.6	3621225	NonCancer	1.66E-04	1.72E-04	0.00E+00	1.32E-07	0.00E+00	1.66E-04	2.66E-04	1.66E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	2.66E-04
1588	ALL	residential	478230.6	3620525	NonCancer	1.80E-04	1.87E-04	0.00E+00	1.43E-07	0.00E+00	1.80E-04	2.63E-04	1.80E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	2.63E-04
1001	ALL	residential	477730.6	3619225	NonCancer	1.75E-04	1.81E-04	0.00E+00	1.39E-07	0.00E+00	1.75E-04	2.63E-04	1.75E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	2.63E-04
1786	ALL	residential	479130.6	3621125	NonCancer	1.67E-04	1.73E-04	0.00E+00	1.33E-07	0.00E+00	1.67E-04	2.62E-04	1.67E-04	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	2.62E-04
1824	ALL	residential	479430.6	3621225	NonCancer	1.64E-04	1.70E-04	0.00E+00	1.30E-07	0.00E+00	1.64E-04	2.61E-04	1.64E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	2.61E-04
1758	ALL	residential	478830.6	3621025	NonCancer	1.71E-04	1.77E-04	0.00E+00	1.35E-07	0.00E+00	1.71E-04	2.61E-04	1.71E-04	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	2.61E-04
1725	ALL	residential	478630.6	3620925	NonCancer	1.74E-04	1.80E-04	0.00E+00	1.38E-07	0.00E+00	1.74E-04	2.61E-04	1.74E-04	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	2.61E-04
1508	ALL	residential	478130.6	3620325	NonCancer	1.78E-04	1.84E-04	0.00E+00	1.41E-07	0.00E+00	1.78E-04	2.61E-04	1.78E-04	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	2.61E-04
1654	ALL	residential	478330.6	3620725	NonCancer	1.78E-04	1.84E-04	0.00E+00	1.41E-07	0.00E+00	1.78E-04	2.59E-04	1.78E-04	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	2.59E-04
1056	ALL	residential	477730.6	3619325	NonCancer	1.72E-04	1.78E-04	0.00E+00	1.37E-07	0.00E+00	1.72E-04	2.57E-04	1.72E-04	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	2.57E-04
1624	ALL	residential	478230.6	3620625	NonCancer	1.77E-04	1.83E-04	0.00E+00	1.41E-07	0.00E+00	1.77E-04	2.56E-04	1.77E-04	0.00E+00	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	2.56E-04
1677	ALL	residential	478430.6	3620825	NonCancer	1.75E-04	1.81E-04	0.00E+00	1.39E-07	0.00E+00	1.75E-04	2.56E-04	1.75E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	2.56E-04
1785	ALL	residential	479030.6	3621125	NonCancer	1.64E-04	1.70E-04	0.00E+00	1.30E-07	0.00E+00	1.64E-04	2.55E-04	1.64E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	2.55E-04
1823	ALL	residential	479330.6	3621225	NonCancer	1.61E-04	1.67E-04	0.00E+00	1.28E-07	0.00E+00	1.61E-04	2.55E-04	1.61E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	2.55E-04
1549	ALL	residential	478130.6	3620425	NonCancer	1.75E-04	1.81E-04	0.00E+00	1.39E-07	0.00E+00	1.75E-04	2.54E-04	1.75E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-06	0.00E+00	0.00E+00	2.54E-04
1757	ALL	residential	478730.6	3621025	NonCancer	1.67E-04	1.73E-04	0.00E+00	1.33E-07	0.00E+00	1.67E-04	2.52E-04	1.67E-04	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	0.00E+00	2.52E-04
1724	ALL	residential	478530.6	3620925	NonCancer	1.70E-04	1.76E-04	0.00E+00	1.35E-07	0.00E+00	1.70E-04	2.51E-04	1.70E-04	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	2.51E-04
1463	ALL	residential	478030.6	3620225	NonCancer	1.71E-04	1.78E-04	0.00E+00	1.36E-07	0.00E+00	1.72E-04	2.50E-04	1.71E-04	0.00E+00	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	2.50E-04
1784	ALL	residential	478930.6	3621125	NonCancer	1.61E-04	1.67E-04	0.00E+00	1.28E-07	0.00E+00	1.61E-04	2.49E-04	1.61E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-06	0.00E+00	0.00E+00	2.49E-04
1587	ALL	residential	478130.6	3620525	NonCancer	1.73E-04	1.79E-04	0.00E+00	1.37E-07	0.00E+00	1.73E-04	2.49E-04	1.73E-04	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	2.49E-04
1653	ALL	residential	478230.6	3620725	NonCancer	1.73E-04	1.79E-04	0.00E+00	1.37E-07	0.00E+00	1.73E-04	2.48E-04	1.73E-04	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	2.48E-04
1822	ALL	residential	479230.6	3621225	NonCancer	1.57E-04	1.63E-04	0.00E+00	1.25E-07	0.00E+00	1.57E-04	2.48E-04	1.57E-04	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	2.48E-04
843	ALL	residential	477630.6	3618925	NonCancer	1.67E-04	1.73E-04	0.00E+00	1.33E-07	0.00E+00	1.67E-04	2.46E-04	1.67E-04	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	2.46E-04
1676	ALL	residential	478330.6	3620825	NonCancer	1.70E-04	1.76E-04	0.00E+00	1.35E-07	0.00E+00	1.70E-04	2.45E-04	1.70E-04	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	2.45E-04
1113	ALL	residential	477730.6	3619425	NonCancer	1.66E-04	1.71E-04	0.00E+00	1.31E-07	0.00E+00	1.66E-04	2.45E-04	1.66E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	2.45E-04
1756	ALL	residential	478630.6	3621025	NonCancer	1.64E-04	1.69E-04	0.00E+00	1.30E-07	0.00E+00	1.64E-04	2.44E-04	1.64E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	2.44E-04
890	ALL	residential	477630.6	3619025	NonCancer	1.67E-04	1.72E-04	0.00E+00	1.32E-07	0.00E+00	1.67E-04	2.44E-04	1.67E-04	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	2.44E-04
1623	ALL	residential	478130.6	3620625	NonCancer	1.70E-04	1.76E-04	0.00E+00	1.35E-07	0.00E+00	1.70E-04	2.43E-04	1.70E-04	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	2.43E-04
1821	ALL	residential	479130.6	3621225	NonCancer	1.55E-04	1.61E-04	0.00E+00	1.23E-07	0.00E+00	1.55E-04	2.43E-04	1.55E-04	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	2.43E-04
1783	ALL	residential	478830.6	3621125	NonCancer	1.59E-04	1.65E-04	0.00E+00	1.26E-07	0.00E+00	1.59E-04	2.43E-04	1.59E-04	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	2.43E-04
1507	ALL	residential	478030.6	3620325	NonCancer	1.68E-04	1.74E-04	0.00E+00	1.33E-07	0.00E+00	1.68E-04	2.42E-04	1.68E-04	0.00E+00	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	2.42E-04
1291	ALL	residential	477830.6	3619825	NonCancer	1.64E-04	1.70E-04	0.00E+00	1.30E-07	0.00E+00	1.64E-04	2.42E-04	1.64E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	2.42E-04
944	ALL	residential	477630.6	3619125	NonCancer	1.65E-04	1.71E-04	0.00E+00	1.31E-07	0.00E+00	1.65E-04	2.41E-04	1.65E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	2.41E-04
1723	ALL	residential	478430.6	3620925	NonCancer	1.65E-04	1.71E-04	0.00E+00	1.31E-07	0.00E+00	1.65E-04	2.41E-04	1.65E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	2.41E-04
1548	ALL	residential	478030.6	3620425	NonCancer	1.66E-04	1.72E-04	0.00E+00	1.32E-07	0.00E+00	1.66E-04	2.38E-04	1.66E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	2.38E-04
1000	ALL	residential	477630.6	3619225	NonCancer	1.63E-04	1.69E-04	0.00E+00	1.30E-07	0.00E+00	1.63E-04	2.37E-04	1.63E-04	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	0.00E+00	2.37E-04
1417	ALL	residential	477930.6	3620125	NonCancer	1.64E-04	1.69E-04	0.00E+00	1.30E-07	0.00E+00	1.64E-04	2.37E-04	1.64E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	2.37E-04
1820	ALL	residential	479030.6	3621225	NonCancer	1.53E-04	1.58E-04	0.00E+00	1.21E-07	0.00E+00	1.53E-04	2.37E-04	1.53E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	2.37E-04
1652	ALL	residential	478130.6	3620725	NonCancer	1.66E-04	1.72E-04	0.00E+00	1.32E-07	0.00E+00	1.66E-04	2.37E-04	1.66E-04	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	2.37E-04
1782	ALL	residential	478730.6	3621125	NonCancer	1.57E-04	1.62E-04	0.00E+00	1.24E-07	0.00E+00	1.57E-04	2.36E-04	1.57E-04	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	2.36E-04
1755	ALL	residential	478530.6	3621025	NonCancer	1.60E-04	1.66E-04	0.00E+00	1.27E-07	0.00E+00	1.60E-04	2.36E-04	1.60E-04	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	2.36E-04
1675	ALL	residential	478230.6	3620825	NonCancer	1.65E-04	1.71E-04	0.00E+00	1.31E-07	0.00E+00	1.65E-04	2.36E-04	1.65E-04	0.00E+00	0.00E+00	0.00E+00	1.95E-06	0.00E+00	0.00E+00	2.36E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1586	ALL	residential	478030.6	3620525	NonCancer	1.64E-04	1.70E-04	0.00E+00	1.30E-07	0.00E+00	1.64E-04	2.34E-04	1.64E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	2.34E-04
1170	ALL	residential	477730.6	3619525	NonCancer	1.58E-04	1.64E-04	0.00E+00	1.26E-07	0.00E+00	1.58E-04	2.32E-04	1.58E-04	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	2.32E-04
1330	ALL	residential	477830.6	3619925	NonCancer	1.59E-04	1.65E-04	0.00E+00	1.26E-07	0.00E+00	1.59E-04	2.32E-04	1.59E-04	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	2.32E-04
1819	ALL	residential	478930.6	3621225	NonCancer	1.51E-04	1.56E-04	0.00E+00	1.20E-07	0.00E+00	1.51E-04	2.32E-04	1.51E-04	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	2.32E-04
1722	ALL	residential	478330.6	3620925	NonCancer	1.61E-04	1.67E-04	0.00E+00	1.28E-07	0.00E+00	1.61E-04	2.32E-04	1.61E-04	0.00E+00	0.00E+00	0.00E+00	1.90E-06	0.00E+00	0.00E+00	2.32E-04
1055	ALL	residential	477630.6	3619325	NonCancer	1.60E-04	1.65E-04	0.00E+00	1.27E-07	0.00E+00	1.60E-04	2.31E-04	1.60E-04	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	2.31E-04
1622	ALL	residential	478030.6	3620625	NonCancer	1.62E-04	1.68E-04	0.00E+00	1.29E-07	0.00E+00	1.62E-04	2.30E-04	1.62E-04	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	2.30E-04
1781	ALL	residential	478630.6	3621125	NonCancer	1.53E-04	1.59E-04	0.00E+00	1.22E-07	0.00E+00	1.53E-04	2.28E-04	1.53E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	2.28E-04
1754	ALL	residential	478430.6	3621025	NonCancer	1.56E-04	1.62E-04	0.00E+00	1.24E-07	0.00E+00	1.56E-04	2.27E-04	1.56E-04	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	2.27E-04
1462	ALL	residential	477930.6	3620225	NonCancer	1.58E-04	1.64E-04	0.00E+00	1.25E-07	0.00E+00	1.58E-04	2.27E-04	1.58E-04	0.00E+00	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	2.27E-04
1818	ALL	residential	478830.6	3621225	NonCancer	1.49E-04	1.54E-04	0.00E+00	1.18E-07	0.00E+00	1.49E-04	2.27E-04	1.49E-04	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	2.27E-04
1674	ALL	residential	478130.6	3620825	NonCancer	1.59E-04	1.64E-04	0.00E+00	1.26E-07	0.00E+00	1.59E-04	2.25E-04	1.59E-04	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	2.25E-04
1210	ALL	residential	477730.6	3619625	NonCancer	1.54E-04	1.59E-04	0.00E+00	1.22E-07	0.00E+00	1.54E-04	2.25E-04	1.54E-04	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	2.25E-04
889	ALL	residential	477530.6	3619025	NonCancer	1.58E-04	1.63E-04	0.00E+00	1.25E-07	0.00E+00	1.58E-04	2.24E-04	1.58E-04	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	2.24E-04
1651	ALL	residential	478030.6	3620725	NonCancer	1.59E-04	1.65E-04	0.00E+00	1.26E-07	0.00E+00	1.59E-04	2.24E-04	1.59E-04	0.00E+00	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	2.24E-04
1721	ALL	residential	478230.6	3620925	NonCancer	1.57E-04	1.62E-04	0.00E+00	1.24E-07	0.00E+00	1.57E-04	2.24E-04	1.57E-04	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	2.24E-04
943	ALL	residential	477530.6	3619125	NonCancer	1.57E-04	1.62E-04	0.00E+00	1.24E-07	0.00E+00	1.57E-04	2.23E-04	1.57E-04	0.00E+00	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	2.23E-04
1372	ALL	residential	477830.6	3620025	NonCancer	1.53E-04	1.59E-04	0.00E+00	1.22E-07	0.00E+00	1.54E-04	2.22E-04	1.53E-04	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	2.22E-04
1780	ALL	residential	478530.6	3621125	NonCancer	1.50E-04	1.56E-04	0.00E+00	1.19E-07	0.00E+00	1.50E-04	2.21E-04	1.50E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	2.21E-04
1506	ALL	residential	477930.6	3620325	NonCancer	1.55E-04	1.60E-04	0.00E+00	1.23E-07	0.00E+00	1.55E-04	2.21E-04	1.55E-04	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	2.21E-04
1112	ALL	residential	477630.6	3619425	NonCancer	1.53E-04	1.58E-04	0.00E+00	1.21E-07	0.00E+00	1.53E-04	2.21E-04	1.53E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	2.21E-04
1817	ALL	residential	478730.6	3621225	NonCancer	1.46E-04	1.52E-04	0.00E+00	1.16E-07	0.00E+00	1.46E-04	2.21E-04	1.46E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	2.21E-04
1753	ALL	residential	478330.6	3621025	NonCancer	1.52E-04	1.58E-04	0.00E+00	1.21E-07	0.00E+00	1.52E-04	2.20E-04	1.52E-04	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	2.20E-04
1547	ALL	residential	477930.6	3620425	NonCancer	1.54E-04	1.60E-04	0.00E+00	1.22E-07	0.00E+00	1.54E-04	2.19E-04	1.54E-04	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	2.19E-04
999	ALL	residential	477530.6	3619225	NonCancer	1.54E-04	1.59E-04	0.00E+00	1.22E-07	0.00E+00	1.54E-04	2.18E-04	1.54E-04	0.00E+00	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	2.18E-04
1585	ALL	residential	477930.6	3620525	NonCancer	1.53E-04	1.59E-04	0.00E+00	1.22E-07	0.00E+00	1.53E-04	2.17E-04	1.53E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	2.17E-04
1251	ALL	residential	477730.6	3619725	NonCancer	1.48E-04	1.53E-04	0.00E+00	1.18E-07	0.00E+00	1.48E-04	2.16E-04	1.48E-04	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	2.16E-04
1621	ALL	residential	477930.6	3620625	NonCancer	1.52E-04	1.58E-04	0.00E+00	1.21E-07	0.00E+00	1.52E-04	2.14E-04	1.52E-04	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	2.14E-04
1720	ALL	residential	478130.6	3620925	NonCancer	1.51E-04	1.57E-04	0.00E+00	1.20E-07	0.00E+00	1.51E-04	2.14E-04	1.51E-04	0.00E+00	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	2.14E-04
1816	ALL	residential	478630.6	3621225	NonCancer	1.44E-04	1.49E-04	0.00E+00	1.14E-07	0.00E+00	1.44E-04	2.14E-04	1.44E-04	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	2.14E-04
1673	ALL	residential	478030.6	3620825	NonCancer	1.52E-04	1.57E-04	0.00E+00	1.21E-07	0.00E+00	1.52E-04	2.14E-04	1.52E-04	0.00E+00	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	2.14E-04
1779	ALL	residential	478430.6	3621125	NonCancer	1.47E-04	1.52E-04	0.00E+00	1.16E-07	0.00E+00	1.47E-04	2.14E-04	1.47E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	2.14E-04
1752	ALL	residential	478230.6	3621025	NonCancer	1.48E-04	1.53E-04	0.00E+00	1.18E-07	0.00E+00	1.48E-04	2.12E-04	1.48E-04	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	2.12E-04
1054	ALL	residential	477530.6	3619325	NonCancer	1.48E-04	1.54E-04	0.00E+00	1.18E-07	0.00E+00	1.48E-04	2.11E-04	1.48E-04	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	2.11E-04
1650	ALL	residential	477930.6	3620725	NonCancer	1.50E-04	1.55E-04	0.00E+00	1.19E-07	0.00E+00	1.50E-04	2.10E-04	1.50E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	2.10E-04
1416	ALL	residential	477830.6	3620125	NonCancer	1.46E-04	1.51E-04	0.00E+00	1.16E-07	0.00E+00	1.46E-04	2.09E-04	1.46E-04	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	2.09E-04
1815	ALL	residential	478530.6	3621225	NonCancer	1.41E-04	1.46E-04	0.00E+00	1.12E-07	0.00E+00	1.41E-04	2.08E-04	1.41E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	2.08E-04
1778	ALL	residential	478330.6	3621125	NonCancer	1.43E-04	1.48E-04	0.00E+00	1.14E-07	0.00E+00	1.43E-04	2.07E-04	1.43E-04	0.00E+00	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	2.07E-04
888	ALL	residential	477430.6	3619025	NonCancer	1.47E-04	1.53E-04	0.00E+00	1.17E-07	0.00E+00	1.48E-04	2.06E-04	1.47E-04	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	2.06E-04
1169	ALL	residential	477630.6	3619525	NonCancer	1.43E-04	1.48E-04	0.00E+00	1.14E-07	0.00E+00	1.43E-04	2.06E-04	1.43E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	2.06E-04
1290	ALL	residential	477730.6	3619825	NonCancer	1.42E-04	1.47E-04	0.00E+00	1.13E-07	0.00E+00	1.42E-04	2.06E-04	1.42E-04	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	2.06E-04
942	ALL	residential	477430.6	3619125	NonCancer	1.46E-04	1.51E-04	0.00E+00	1.16E-07	0.00E+00	1.46E-04	2.04E-04	1.46E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	2.04E-04
1719	ALL	residential	478030.6	3620925	NonCancer	1.45E-04	1.50E-04	0.00E+00	1.15E-07	0.00E+00	1.45E-04	2.04E-04	1.45E-04	0.00E+00	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	2.04E-04
1751	ALL	residential	478130.6	3621025	NonCancer	1.43E-04	1.48E-04	0.00E+00	1.14E-07	0.00E+00	1.43E-04	2.03E-04	1.43E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	2.03E-04
1672	ALL	residential	477930.6	3620825	NonCancer	1.45E-04	1.50E-04	0.00E+00	1.15E-07	0.00E+00	1.45E-04	2.02E-04	1.45E-04	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	2.02E-04
1814	ALL	residential	478430.6	3621225	NonCancer	1.38E-04	1.43E-04	0.00E+00	1.10E-07	0.00E+00	1.38E-04	2.02E-04	1.38E-04	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	2.02E-04
1546	ALL	residential	477830.6	3620425	NonCancer	1.42E-04	1.47E-04	0.00E+00	1.13E-07	0.00E+00	1.42E-04	2.00E-04	1.42E-04	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	2.00E-04
1777	ALL	residential	478230.6	3621125	NonCancer	1.39E-04	1.44E-04	0.00E+00	1.11E-07	0.00E+00	1.39E-04	2.00E-04	1.39E-04	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	2.00E-04
1461	ALL	residential	477830.6	3620225	NonCancer	1.40E-04	1.45E-04	0.00E+00	1.11E-07	0.00E+00	1.40E-04	1.99E-04	1.40E-04	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	1.99E-04
998	ALL	residential	477430.6	3619225	NonCancer	1.42E-04	1.47E-04	0.00E+00	1.13E-07	0.00E+00	1.42E-04	1.99E-04	1.42E-04	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	1.99E-04
1584	ALL	residential	477830.6	3620525	NonCancer	1.42E-04	1.47E-04	0.00E+00	1.12E-07	0.00E+00	1.42E-04	1.99E-04	1.42E-04	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	1.99E-04
1505	ALL	residential	477830.6	3620325	NonCancer	1.40E-04	1.45E-04	0.00E+00	1.11E-07	0.00E+00	1.40E-04	1.99E-04	1.40E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	1.99E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1620	ALL	residential	477830.6	3620625	NonCancer	1.41E-04	1.46E-04	0.00E+00	1.12E-07	0.00E+00	1.41E-04	1.98E-04	1.41E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	1.98E-04
1111	ALL	residential	477530.6	3619425	NonCancer	1.39E-04	1.44E-04	0.00E+00	1.10E-07	0.00E+00	1.39E-04	1.98E-04	1.39E-04	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	1.98E-04
1329	ALL	residential	477730.6	3619925	NonCancer	1.36E-04	1.41E-04	0.00E+00	1.08E-07	0.00E+00	1.37E-04	1.97E-04	1.36E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	1.97E-04
1813	ALL	residential	478330.6	3621225	NonCancer	1.35E-04	1.40E-04	0.00E+00	1.07E-07	0.00E+00	1.35E-04	1.96E-04	1.35E-04	0.00E+00	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	1.96E-04
1750	ALL	residential	478030.6	3621025	NonCancer	1.39E-04	1.44E-04	0.00E+00	1.10E-07	0.00E+00	1.39E-04	1.95E-04	1.39E-04	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	1.95E-04
1649	ALL	residential	477830.6	3620725	NonCancer	1.40E-04	1.45E-04	0.00E+00	1.11E-07	0.00E+00	1.40E-04	1.95E-04	1.40E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	1.95E-04
1718	ALL	residential	477930.6	3620925	NonCancer	1.39E-04	1.44E-04	0.00E+00	1.11E-07	0.00E+00	1.39E-04	1.94E-04	1.39E-04	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	1.94E-04
1209	ALL	residential	477630.6	3619625	NonCancer	1.34E-04	1.39E-04	0.00E+00	1.06E-07	0.00E+00	1.34E-04	1.93E-04	1.34E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	1.93E-04
1776	ALL	residential	478130.6	3621125	NonCancer	1.35E-04	1.40E-04	0.00E+00	1.07E-07	0.00E+00	1.35E-04	1.92E-04	1.35E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	1.92E-04
1671	ALL	residential	477830.6	3620825	NonCancer	1.38E-04	1.43E-04	0.00E+00	1.10E-07	0.00E+00	1.38E-04	1.92E-04	1.38E-04	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	1.92E-04
1812	ALL	residential	478230.6	3621225	NonCancer	1.31E-04	1.36E-04	0.00E+00	1.04E-07	0.00E+00	1.31E-04	1.89E-04	1.31E-04	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	1.89E-04
1371	ALL	residential	477730.6	3620025	NonCancer	1.32E-04	1.36E-04	0.00E+00	1.04E-07	0.00E+00	1.32E-04	1.89E-04	1.32E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	1.89E-04
1545	ALL	residential	477730.6	3620425	NonCancer	1.35E-04	1.39E-04	0.00E+00	1.07E-07	0.00E+00	1.35E-04	1.88E-04	1.35E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	1.88E-04
1053	ALL	residential	477430.6	3619325	NonCancer	1.34E-04	1.38E-04	0.00E+00	1.06E-07	0.00E+00	1.34E-04	1.87E-04	1.34E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	1.87E-04
1717	ALL	residential	477830.6	3620925	NonCancer	1.35E-04	1.39E-04	0.00E+00	1.07E-07	0.00E+00	1.35E-04	1.86E-04	1.35E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	1.86E-04
1504	ALL	residential	477730.6	3620325	NonCancer	1.32E-04	1.37E-04	0.00E+00	1.05E-07	0.00E+00	1.32E-04	1.86E-04	1.32E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	1.86E-04
887	ALL	residential	477330.6	3619025	NonCancer	1.34E-04	1.39E-04	0.00E+00	1.07E-07	0.00E+00	1.34E-04	1.86E-04	1.34E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	1.86E-04
1583	ALL	residential	477730.6	3620525	NonCancer	1.33E-04	1.37E-04	0.00E+00	1.05E-07	0.00E+00	1.33E-04	1.85E-04	1.33E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	1.85E-04
1749	ALL	residential	477930.6	3621025	NonCancer	1.32E-04	1.37E-04	0.00E+00	1.05E-07	0.00E+00	1.32E-04	1.84E-04	1.32E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	1.84E-04
1648	ALL	residential	477730.6	3620725	NonCancer	1.33E-04	1.38E-04	0.00E+00	1.06E-07	0.00E+00	1.33E-04	1.84E-04	1.33E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	1.84E-04
1619	ALL	residential	477730.6	3620625	NonCancer	1.32E-04	1.37E-04	0.00E+00	1.05E-07	0.00E+00	1.32E-04	1.84E-04	1.32E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	1.84E-04
941	ALL	residential	477330.6	3619125	NonCancer	1.32E-04	1.37E-04	0.00E+00	1.05E-07	0.00E+00	1.33E-04	1.83E-04	1.32E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	1.83E-04
1775	ALL	residential	478030.6	3621125	NonCancer	1.30E-04	1.35E-04	0.00E+00	1.03E-07	0.00E+00	1.30E-04	1.83E-04	1.30E-04	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	1.83E-04
1460	ALL	residential	477730.6	3620225	NonCancer	1.29E-04	1.34E-04	0.00E+00	1.03E-07	0.00E+00	1.29E-04	1.83E-04	1.29E-04	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	1.83E-04
1168	ALL	residential	477530.6	3619525	NonCancer	1.28E-04	1.33E-04	0.00E+00	1.02E-07	0.00E+00	1.28E-04	1.83E-04	1.28E-04	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	1.83E-04
1415	ALL	residential	477730.6	3620125	NonCancer	1.28E-04	1.32E-04	0.00E+00	1.02E-07	0.00E+00	1.28E-04	1.82E-04	1.28E-04	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	1.82E-04
1670	ALL	residential	477730.6	3620825	NonCancer	1.32E-04	1.37E-04	0.00E+00	1.05E-07	0.00E+00	1.32E-04	1.82E-04	1.32E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	1.82E-04
1811	ALL	residential	478130.6	3621225	NonCancer	1.28E-04	1.32E-04	0.00E+00	1.01E-07	0.00E+00	1.28E-04	1.82E-04	1.28E-04	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	1.82E-04
1716	ALL	residential	477730.6	3620925	NonCancer	1.32E-04	1.36E-04	0.00E+00	1.05E-07	0.00E+00	1.32E-04	1.81E-04	1.32E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-06	0.00E+00	0.00E+00	1.81E-04
1250	ALL	residential	477630.6	3619725	NonCancer	1.25E-04	1.29E-04	0.00E+00	9.92E-08	0.00E+00	1.25E-04	1.80E-04	1.25E-04	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	1.80E-04
1748	ALL	residential	477830.6	3621025	NonCancer	1.30E-04	1.34E-04	0.00E+00	1.03E-07	0.00E+00	1.30E-04	1.79E-04	1.30E-04	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	1.79E-04
1544	ALL	residential	477630.6	3620425	NonCancer	1.29E-04	1.34E-04	0.00E+00	1.02E-07	0.00E+00	1.29E-04	1.79E-04	1.29E-04	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	1.79E-04
1503	ALL	residential	477630.6	3620325	NonCancer	1.28E-04	1.33E-04	0.00E+00	1.02E-07	0.00E+00	1.28E-04	1.79E-04	1.28E-04	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	1.79E-04
1582	ALL	residential	477630.6	3620525	NonCancer	1.29E-04	1.33E-04	0.00E+00	1.02E-07	0.00E+00	1.29E-04	1.78E-04	1.29E-04	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	1.78E-04
997	ALL	residential	477330.6	3619225	NonCancer	1.28E-04	1.33E-04	0.00E+00	1.02E-07	0.00E+00	1.28E-04	1.78E-04	1.28E-04	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	1.78E-04
1459	ALL	residential	477630.6	3620225	NonCancer	1.27E-04	1.31E-04	0.00E+00	1.01E-07	0.00E+00	1.27E-04	1.78E-04	1.27E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	1.78E-04
1618	ALL	residential	477630.6	3620625	NonCancer	1.29E-04	1.34E-04	0.00E+00	1.02E-07	0.00E+00	1.29E-04	1.78E-04	1.29E-04	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	1.78E-04
1647	ALL	residential	477630.6	3620725	NonCancer	1.29E-04	1.34E-04	0.00E+00	1.03E-07	0.00E+00	1.29E-04	1.77E-04	1.29E-04	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	1.77E-04
1414	ALL	residential	477630.6	3620125	NonCancer	1.25E-04	1.30E-04	0.00E+00	9.94E-08	0.00E+00	1.25E-04	1.76E-04	1.25E-04	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	1.76E-04
1747	ALL	residential	477730.6	3621025	NonCancer	1.29E-04	1.33E-04	0.00E+00	1.02E-07	0.00E+00	1.29E-04	1.76E-04	1.29E-04	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	1.76E-04
1669	ALL	residential	477630.6	3620825	NonCancer	1.29E-04	1.33E-04	0.00E+00	1.02E-07	0.00E+00	1.29E-04	1.76E-04	1.29E-04	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	1.76E-04
1110	ALL	residential	477430.6	3619425	NonCancer	1.25E-04	1.29E-04	0.00E+00	9.90E-08	0.00E+00	1.25E-04	1.75E-04	1.25E-04	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	1.75E-04
1370	ALL	residential	477630.6	3620025	NonCancer	1.23E-04	1.27E-04	0.00E+00	9.74E-08	0.00E+00	1.23E-04	1.74E-04	1.23E-04	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	1.74E-04
1810	ALL	residential	478030.6	3621225	NonCancer	1.23E-04	1.27E-04	0.00E+00	9.76E-08	0.00E+00	1.23E-04	1.74E-04	1.23E-04	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	1.74E-04
1715	ALL	residential	477630.6	3620925	NonCancer	1.28E-04	1.32E-04	0.00E+00	1.01E-07	0.00E+00	1.28E-04	1.74E-04	1.28E-04	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	1.74E-04
1774	ALL	residential	477930.6	3621125	NonCancer	1.24E-04	1.29E-04	0.00E+00	9.87E-08	0.00E+00	1.24E-04	1.74E-04	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	1.74E-04
1543	ALL	residential	477530.6	3620425	NonCancer	1.26E-04	1.31E-04	0.00E+00	1.00E-07	0.00E+00	1.26E-04	1.74E-04	1.26E-04	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	1.74E-04
1581	ALL	residential	477530.6	3620525	NonCancer	1.26E-04	1.31E-04	0.00E+00	1.00E-07	0.00E+00	1.26E-04	1.73E-04	1.26E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	1.73E-04
1502	ALL	residential	477530.6	3620325	NonCancer	1.26E-04	1.30E-04	0.00E+00	9.97E-08	0.00E+00	1.26E-04	1.73E-04	1.26E-04	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	1.73E-04
1617	ALL	residential	477530.6	3620625	NonCancer	1.27E-04	1.31E-04	0.00E+00	1.01E-07	0.00E+00	1.27E-04	1.73E-04	1.27E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	1.73E-04
1646	ALL	residential	477530.6	3620725	NonCancer	1.27E-04	1.31E-04	0.00E+00	1.01E-07	0.00E+00	1.27E-04	1.73E-04	1.27E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	1.73E-04
1289	ALL	residential	477630.6	3619825	NonCancer	1.20E-04	1.24E-04	0.00E+00	9.53E-08	0.00E+00	1.20E-04	1.73E-04	1.20E-04	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	1.73E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1458	ALL	residential	477530.6	3620225	NonCancer	1.24E-04	1.29E-04	0.00E+00	9.88E-08	0.00E+00	1.24E-04	1.73E-04	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	1.73E-04
1668	ALL	residential	477530.6	3620825	NonCancer	1.27E-04	1.31E-04	0.00E+00	1.01E-07	0.00E+00	1.27E-04	1.72E-04	1.27E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	1.72E-04
1328	ALL	residential	477630.6	3619925	NonCancer	1.20E-04	1.24E-04	0.00E+00	9.54E-08	0.00E+00	1.20E-04	1.72E-04	1.20E-04	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	1.72E-04
1413	ALL	residential	477530.6	3620125	NonCancer	1.22E-04	1.27E-04	0.00E+00	9.72E-08	0.00E+00	1.22E-04	1.71E-04	1.22E-04	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	1.71E-04
1773	ALL	residential	477830.6	3621125	NonCancer	1.24E-04	1.28E-04	0.00E+00	9.81E-08	0.00E+00	1.24E-04	1.71E-04	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	1.71E-04
1208	ALL	residential	477530.6	3619625	NonCancer	1.19E-04	1.24E-04	0.00E+00	9.49E-08	0.00E+00	1.19E-04	1.71E-04	1.19E-04	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	1.71E-04
1714	ALL	residential	477530.6	3620925	NonCancer	1.26E-04	1.31E-04	0.00E+00	1.00E-07	0.00E+00	1.26E-04	1.71E-04	1.26E-04	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	1.71E-04
1542	ALL	residential	477430.6	3620425	NonCancer	1.24E-04	1.28E-04	0.00E+00	9.84E-08	0.00E+00	1.24E-04	1.69E-04	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	1.69E-04
1580	ALL	residential	477430.6	3620525	NonCancer	1.24E-04	1.29E-04	0.00E+00	9.86E-08	0.00E+00	1.24E-04	1.69E-04	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	1.69E-04
1616	ALL	residential	477430.6	3620625	NonCancer	1.24E-04	1.29E-04	0.00E+00	9.88E-08	0.00E+00	1.24E-04	1.69E-04	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	1.69E-04
1645	ALL	residential	477430.6	3620725	NonCancer	1.25E-04	1.29E-04	0.00E+00	9.91E-08	0.00E+00	1.25E-04	1.69E-04	1.25E-04	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	1.69E-04
1501	ALL	residential	477430.6	3620325	NonCancer	1.23E-04	1.28E-04	0.00E+00	9.78E-08	0.00E+00	1.23E-04	1.69E-04	1.23E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	1.69E-04
1667	ALL	residential	477430.6	3620825	NonCancer	1.25E-04	1.29E-04	0.00E+00	9.92E-08	0.00E+00	1.25E-04	1.68E-04	1.25E-04	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	1.68E-04
1052	ALL	residential	477330.6	3619325	NonCancer	1.21E-04	1.25E-04	0.00E+00	9.63E-08	0.00E+00	1.21E-04	1.68E-04	1.21E-04	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	1.68E-04
1369	ALL	residential	477530.6	3620025	NonCancer	1.19E-04	1.24E-04	0.00E+00	9.48E-08	0.00E+00	1.19E-04	1.68E-04	1.19E-04	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	1.68E-04
940	ALL	residential	477230.6	3619125	NonCancer	1.23E-04	1.27E-04	0.00E+00	9.74E-08	0.00E+00	1.23E-04	1.68E-04	1.23E-04	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	1.68E-04
1457	ALL	residential	477430.6	3620225	NonCancer	1.22E-04	1.26E-04	0.00E+00	9.67E-08	0.00E+00	1.22E-04	1.68E-04	1.22E-04	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	1.68E-04
886	ALL	residential	477230.6	3619025	NonCancer	1.22E-04	1.26E-04	0.00E+00	9.68E-08	0.00E+00	1.22E-04	1.67E-04	1.22E-04	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	1.67E-04
1809	ALL	residential	477930.6	3621225	NonCancer	1.19E-04	1.23E-04	0.00E+00	9.44E-08	0.00E+00	1.19E-04	1.67E-04	1.19E-04	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	1.67E-04
996	ALL	residential	477230.6	3619225	NonCancer	1.21E-04	1.25E-04	0.00E+00	9.61E-08	0.00E+00	1.21E-04	1.66E-04	1.21E-04	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	1.66E-04
1327	ALL	residential	477530.6	3619925	NonCancer	1.17E-04	1.21E-04	0.00E+00	9.26E-08	0.00E+00	1.17E-04	1.65E-04	1.17E-04	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	1.65E-04
1644	ALL	residential	477330.6	3620725	NonCancer	1.23E-04	1.27E-04	0.00E+00	9.73E-08	0.00E+00	1.23E-04	1.65E-04	1.23E-04	0.00E+00	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	1.65E-04
1412	ALL	residential	477430.6	3620125	NonCancer	1.19E-04	1.23E-04	0.00E+00	9.45E-08	0.00E+00	1.19E-04	1.65E-04	1.19E-04	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	1.65E-04
1615	ALL	residential	477330.6	3620625	NonCancer	1.22E-04	1.26E-04	0.00E+00	9.69E-08	0.00E+00	1.22E-04	1.65E-04	1.22E-04	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	1.65E-04
1579	ALL	residential	477330.6	3620525	NonCancer	1.22E-04	1.26E-04	0.00E+00	9.65E-08	0.00E+00	1.22E-04	1.64E-04	1.22E-04	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	1.64E-04
1167	ALL	residential	477430.6	3619525	NonCancer	1.17E-04	1.21E-04	0.00E+00	9.26E-08	0.00E+00	1.17E-04	1.64E-04	1.17E-04	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	1.64E-04
1288	ALL	residential	477530.6	3619825	NonCancer	1.15E-04	1.19E-04	0.00E+00	9.16E-08	0.00E+00	1.15E-04	1.64E-04	1.15E-04	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	1.64E-04
1500	ALL	residential	477330.6	3620325	NonCancer	1.20E-04	1.25E-04	0.00E+00	9.57E-08	0.00E+00	1.20E-04	1.64E-04	1.20E-04	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	1.64E-04
1541	ALL	residential	477330.6	3620425	NonCancer	1.21E-04	1.25E-04	0.00E+00	9.60E-08	0.00E+00	1.21E-04	1.64E-04	1.21E-04	0.00E+00	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	1.64E-04
1249	ALL	residential	477530.6	3619725	NonCancer	1.14E-04	1.18E-04	0.00E+00	9.09E-08	0.00E+00	1.14E-04	1.63E-04	1.14E-04	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	1.63E-04
1456	ALL	residential	477330.6	3620225	NonCancer	1.19E-04	1.23E-04	0.00E+00	9.43E-08	0.00E+00	1.19E-04	1.62E-04	1.19E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	1.62E-04
1368	ALL	residential	477430.6	3620025	NonCancer	1.16E-04	1.20E-04	0.00E+00	9.21E-08	0.00E+00	1.16E-04	1.62E-04	1.16E-04	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	1.62E-04
1109	ALL	residential	477330.6	3619425	NonCancer	1.17E-04	1.21E-04	0.00E+00	9.25E-08	0.00E+00	1.17E-04	1.62E-04	1.17E-04	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	1.62E-04
1051	ALL	residential	477230.6	3619325	NonCancer	1.18E-04	1.22E-04	0.00E+00	9.36E-08	0.00E+00	1.18E-04	1.62E-04	1.18E-04	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	1.62E-04
939	ALL	residential	477130.6	3619125	NonCancer	1.18E-04	1.22E-04	0.00E+00	9.39E-08	0.00E+00	1.18E-04	1.61E-04	1.18E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	1.61E-04
1326	ALL	residential	477430.6	3619925	NonCancer	1.14E-04	1.18E-04	0.00E+00	9.03E-08	0.00E+00	1.14E-04	1.60E-04	1.14E-04	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	1.60E-04
1207	ALL	residential	477430.6	3619625	NonCancer	1.13E-04	1.17E-04	0.00E+00	8.98E-08	0.00E+00	1.13E-04	1.60E-04	1.13E-04	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	1.60E-04
995	ALL	residential	477130.6	3619225	NonCancer	1.18E-04	1.22E-04	0.00E+00	9.34E-08	0.00E+00	1.18E-04	1.60E-04	1.18E-04	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	1.60E-04
1411	ALL	residential	477330.6	3620125	NonCancer	1.16E-04	1.20E-04	0.00E+00	9.20E-08	0.00E+00	1.16E-04	1.60E-04	1.16E-04	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	1.60E-04
885	ALL	residential	477130.6	3619025	NonCancer	1.17E-04	1.21E-04	0.00E+00	9.32E-08	0.00E+00	1.17E-04	1.59E-04	1.17E-04	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	1.59E-04
1614	ALL	residential	477230.6	3620625	NonCancer	1.19E-04	1.23E-04	0.00E+00	9.42E-08	0.00E+00	1.19E-04	1.59E-04	1.19E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	1.59E-04
1578	ALL	residential	477230.6	3620525	NonCancer	1.18E-04	1.23E-04	0.00E+00	9.40E-08	0.00E+00	1.18E-04	1.59E-04	1.18E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	1.59E-04
1540	ALL	residential	477230.6	3620425	NonCancer	1.18E-04	1.22E-04	0.00E+00	9.36E-08	0.00E+00	1.18E-04	1.59E-04	1.18E-04	0.00E+00	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	1.59E-04
1499	ALL	residential	477230.6	3620325	NonCancer	1.17E-04	1.21E-04	0.00E+00	9.27E-08	0.00E+00	1.17E-04	1.58E-04	1.17E-04	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	1.58E-04
1166	ALL	residential	477330.6	3619525	NonCancer	1.13E-04	1.17E-04	0.00E+00	9.00E-08	0.00E+00	1.13E-04	1.58E-04	1.13E-04	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	1.58E-04
1287	ALL	residential	477430.6	3619825	NonCancer	1.12E-04	1.16E-04	0.00E+00	8.89E-08	0.00E+00	1.12E-04	1.58E-04	1.12E-04	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	1.58E-04
1248	ALL	residential	477430.6	3619725	NonCancer	1.11E-04	1.15E-04	0.00E+00	8.84E-08	0.00E+00	1.11E-04	1.57E-04	1.11E-04	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	1.57E-04
1050	ALL	residential	477130.6	3619325	NonCancer	1.16E-04	1.20E-04	0.00E+00	9.18E-08	0.00E+00	1.16E-04	1.57E-04	1.16E-04	0.00E+00	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	1.57E-04
1367	ALL	residential	477330.6	3620025	NonCancer	1.13E-04	1.17E-04	0.00E+00	8.98E-08	0.00E+00	1.13E-04	1.57E-04	1.13E-04	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	1.57E-04
1108	ALL	residential	477230.6	3619425	NonCancer	1.14E-04	1.18E-04	0.00E+00	9.05E-08	0.00E+00	1.14E-04	1.57E-04	1.14E-04	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	1.57E-04
1455	ALL	residential	477230.6	3620225	NonCancer	1.15E-04	1.19E-04	0.00E+00	9.11E-08	0.00E+00	1.15E-04	1.56E-04	1.15E-04	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	1.56E-04
938	ALL	residential	477030.6	3619125	NonCancer	1.15E-04	1.19E-04	0.00E+00	9.14E-08	0.00E+00	1.15E-04	1.55E-04	1.15E-04	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	1.55E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1325	ALL	residential	477330.6	3619925	NonCancer	1.11E-04	1.15E-04	0.00E+00	8.81E-08	0.00E+00	1.11E-04	1.54E-04	1.11E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	1.54E-04
994	ALL	residential	477030.6	3619225	NonCancer	1.15E-04	1.19E-04	0.00E+00	9.11E-08	0.00E+00	1.15E-04	1.54E-04	1.15E-04	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	1.54E-04
1206	ALL	residential	477330.6	3619625	NonCancer	1.10E-04	1.14E-04	0.00E+00	8.77E-08	0.00E+00	1.10E-04	1.54E-04	1.10E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	1.54E-04
884	ALL	residential	477030.6	3619025	NonCancer	1.14E-04	1.18E-04	0.00E+00	9.05E-08	0.00E+00	1.14E-04	1.54E-04	1.14E-04	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	1.54E-04
1577	ALL	residential	477130.6	3620525	NonCancer	1.15E-04	1.19E-04	0.00E+00	9.14E-08	0.00E+00	1.15E-04	1.54E-04	1.15E-04	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	1.54E-04
1539	ALL	residential	477130.6	3620425	NonCancer	1.14E-04	1.18E-04	0.00E+00	9.08E-08	0.00E+00	1.14E-04	1.53E-04	1.14E-04	0.00E+00	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	1.53E-04
1410	ALL	residential	477230.6	3620125	NonCancer	1.12E-04	1.16E-04	0.00E+00	8.89E-08	0.00E+00	1.12E-04	1.53E-04	1.12E-04	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	1.53E-04
1286	ALL	residential	477330.6	3619825	NonCancer	1.10E-04	1.13E-04	0.00E+00	8.70E-08	0.00E+00	1.10E-04	1.53E-04	1.10E-04	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	1.53E-04
1165	ALL	residential	477230.6	3619525	NonCancer	1.11E-04	1.15E-04	0.00E+00	8.80E-08	0.00E+00	1.11E-04	1.53E-04	1.11E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	1.53E-04
1247	ALL	residential	477330.6	3619725	NonCancer	1.09E-04	1.13E-04	0.00E+00	8.67E-08	0.00E+00	1.09E-04	1.53E-04	1.09E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	1.53E-04
1498	ALL	residential	477130.6	3620325	NonCancer	1.13E-04	1.17E-04	0.00E+00	8.98E-08	0.00E+00	1.13E-04	1.52E-04	1.13E-04	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	1.52E-04
1049	ALL	residential	477030.6	3619325	NonCancer	1.13E-04	1.17E-04	0.00E+00	8.97E-08	0.00E+00	1.13E-04	1.52E-04	1.13E-04	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	1.52E-04
1107	ALL	residential	477130.6	3619425	NonCancer	1.12E-04	1.16E-04	0.00E+00	8.87E-08	0.00E+00	1.12E-04	1.52E-04	1.12E-04	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	1.52E-04
1454	ALL	residential	477130.6	3620225	NonCancer	1.11E-04	1.15E-04	0.00E+00	8.83E-08	0.00E+00	1.11E-04	1.50E-04	1.11E-04	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	1.50E-04
1366	ALL	residential	477230.6	3620025	NonCancer	1.09E-04	1.13E-04	0.00E+00	8.68E-08	0.00E+00	1.09E-04	1.50E-04	1.09E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	1.50E-04
1205	ALL	residential	477230.6	3619625	NonCancer	1.08E-04	1.12E-04	0.00E+00	8.60E-08	0.00E+00	1.08E-04	1.50E-04	1.08E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	1.50E-04
993	ALL	residential	476930.6	3619225	NonCancer	1.12E-04	1.16E-04	0.00E+00	8.86E-08	0.00E+00	1.12E-04	1.49E-04	1.12E-04	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	1.49E-04
1324	ALL	residential	477230.6	3619925	NonCancer	1.07E-04	1.11E-04	0.00E+00	8.53E-08	0.00E+00	1.07E-04	1.48E-04	1.07E-04	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	1.48E-04
1538	ALL	residential	477030.6	3620425	NonCancer	1.11E-04	1.15E-04	0.00E+00	8.82E-08	0.00E+00	1.11E-04	1.48E-04	1.11E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	1.48E-04
1409	ALL	residential	477130.6	3620125	NonCancer	1.09E-04	1.13E-04	0.00E+00	8.64E-08	0.00E+00	1.09E-04	1.48E-04	1.09E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	1.48E-04
1164	ALL	residential	477130.6	3619525	NonCancer	1.08E-04	1.12E-04	0.00E+00	8.59E-08	0.00E+00	1.08E-04	1.48E-04	1.08E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	1.48E-04
1106	ALL	residential	477030.6	3619425	NonCancer	1.09E-04	1.13E-04	0.00E+00	8.67E-08	0.00E+00	1.09E-04	1.47E-04	1.09E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	1.47E-04
1285	ALL	residential	477230.6	3619825	NonCancer	1.06E-04	1.10E-04	0.00E+00	8.43E-08	0.00E+00	1.06E-04	1.47E-04	1.06E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	1.47E-04
1246	ALL	residential	477230.6	3619725	NonCancer	1.06E-04	1.10E-04	0.00E+00	8.43E-08	0.00E+00	1.06E-04	1.47E-04	1.06E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	1.47E-04
1497	ALL	residential	477030.6	3620325	NonCancer	1.10E-04	1.13E-04	0.00E+00	8.70E-08	0.00E+00	1.10E-04	1.47E-04	1.10E-04	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	1.47E-04
1048	ALL	residential	476930.6	3619325	NonCancer	1.10E-04	1.13E-04	0.00E+00	8.70E-08	0.00E+00	1.10E-04	1.46E-04	1.10E-04	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	1.46E-04
1365	ALL	residential	477130.6	3620025	NonCancer	1.06E-04	1.10E-04	0.00E+00	8.41E-08	0.00E+00	1.06E-04	1.45E-04	1.06E-04	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	1.45E-04
1204	ALL	residential	477130.6	3619625	NonCancer	1.06E-04	1.09E-04	0.00E+00	8.39E-08	0.00E+00	1.06E-04	1.45E-04	1.06E-04	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	1.45E-04
1453	ALL	residential	477030.6	3620225	NonCancer	1.08E-04	1.11E-04	0.00E+00	8.54E-08	0.00E+00	1.08E-04	1.45E-04	1.08E-04	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	1.45E-04
992	ALL	residential	476830.6	3619225	NonCancer	1.08E-04	1.12E-04	0.00E+00	8.59E-08	0.00E+00	1.08E-04	1.44E-04	1.08E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	1.44E-04
1163	ALL	residential	477030.6	3619525	NonCancer	1.06E-04	1.10E-04	0.00E+00	8.41E-08	0.00E+00	1.06E-04	1.43E-04	1.06E-04	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	1.43E-04
1537	ALL	residential	476930.6	3620425	NonCancer	1.08E-04	1.12E-04	0.00E+00	8.57E-08	0.00E+00	1.08E-04	1.43E-04	1.08E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	1.43E-04
1245	ALL	residential	477130.6	3619725	NonCancer	1.04E-04	1.08E-04	0.00E+00	8.26E-08	0.00E+00	1.04E-04	1.43E-04	1.04E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	1.43E-04
1105	ALL	residential	476930.6	3619425	NonCancer	1.07E-04	1.10E-04	0.00E+00	8.47E-08	0.00E+00	1.07E-04	1.43E-04	1.07E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	1.43E-04
1323	ALL	residential	477130.6	3619925	NonCancer	1.04E-04	1.08E-04	0.00E+00	8.26E-08	0.00E+00	1.04E-04	1.43E-04	1.04E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	1.43E-04
1408	ALL	residential	477030.6	3620125	NonCancer	1.05E-04	1.09E-04	0.00E+00	8.36E-08	0.00E+00	1.05E-04	1.42E-04	1.05E-04	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	1.42E-04
1496	ALL	residential	476930.6	3620325	NonCancer	1.06E-04	1.10E-04	0.00E+00	8.46E-08	0.00E+00	1.06E-04	1.42E-04	1.06E-04	0.00E+00	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	1.42E-04
1047	ALL	residential	476830.6	3619325	NonCancer	1.07E-04	1.11E-04	0.00E+00	8.49E-08	0.00E+00	1.07E-04	1.42E-04	1.07E-04	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	1.42E-04
1284	ALL	residential	477130.6	3619825	NonCancer	1.03E-04	1.07E-04	0.00E+00	8.18E-08	0.00E+00	1.03E-04	1.42E-04	1.03E-04	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	1.42E-04
1364	ALL	residential	477030.6	3620025	NonCancer	1.03E-04	1.07E-04	0.00E+00	8.19E-08	0.00E+00	1.03E-04	1.40E-04	1.03E-04	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	1.40E-04
1203	ALL	residential	477030.6	3619625	NonCancer	1.03E-04	1.07E-04	0.00E+00	8.19E-08	0.00E+00	1.03E-04	1.40E-04	1.03E-04	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	1.40E-04
1452	ALL	residential	476930.6	3620225	NonCancer	1.04E-04	1.08E-04	0.00E+00	8.28E-08	0.00E+00	1.04E-04	1.40E-04	1.04E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	1.40E-04
991	ALL	residential	476730.6	3619225	NonCancer	1.05E-04	1.09E-04	0.00E+00	8.37E-08	0.00E+00	1.05E-04	1.39E-04	1.05E-04	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	1.39E-04
1162	ALL	residential	476930.6	3619525	NonCancer	1.04E-04	1.07E-04	0.00E+00	8.22E-08	0.00E+00	1.04E-04	1.39E-04	1.04E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	1.39E-04
1322	ALL	residential	477030.6	3619925	NonCancer	1.02E-04	1.05E-04	0.00E+00	8.07E-08	0.00E+00	1.02E-04	1.39E-04	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	1.39E-04
1244	ALL	residential	477030.6	3619725	NonCancer	1.02E-04	1.05E-04	0.00E+00	8.07E-08	0.00E+00	1.02E-04	1.38E-04	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	1.38E-04
1104	ALL	residential	476830.6	3619425	NonCancer	1.04E-04	1.08E-04	0.00E+00	8.25E-08	0.00E+00	1.04E-04	1.38E-04	1.04E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	1.38E-04
1283	ALL	residential	477030.6	3619825	NonCancer	1.01E-04	1.05E-04	0.00E+00	8.02E-08	0.00E+00	1.01E-04	1.38E-04	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	1.38E-04
1046	ALL	residential	476730.6	3619325	NonCancer	1.04E-04	1.08E-04	0.00E+00	8.30E-08	0.00E+00	1.04E-04	1.38E-04	1.04E-04	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	1.38E-04
1495	ALL	residential	476830.6	3620325	NonCancer	1.04E-04	1.07E-04	0.00E+00	8.23E-08	0.00E+00	1.04E-04	1.38E-04	1.04E-04	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	1.38E-04
1407	ALL	residential	476930.6	3620125	NonCancer	1.02E-04	1.05E-04	0.00E+00	8.08E-08	0.00E+00	1.02E-04	1.37E-04	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	1.37E-04
1202	ALL	residential	476930.6	3619625	NonCancer	1.01E-04	1.04E-04	0.00E+00	8.00E-08	0.00E+00	1.01E-04	1.36E-04	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	1.36E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1451	ALL	residential	476830.6	3620225	NonCancer	1.01E-04	1.05E-04	0.00E+00	8.05E-08	0.00E+00	1.01E-04	1.35E-04	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	1.35E-04
1161	ALL	residential	476830.6	3619525	NonCancer	1.01E-04	1.05E-04	0.00E+00	8.04E-08	0.00E+00	1.01E-04	1.35E-04	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	1.35E-04
1363	ALL	residential	476930.6	3620025	NonCancer	9.99E-05	1.03E-04	0.00E+00	7.93E-08	0.00E+00	9.99E-05	1.35E-04	9.99E-05	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	1.35E-04
1103	ALL	residential	476730.6	3619425	NonCancer	1.02E-04	1.06E-04	0.00E+00	8.11E-08	0.00E+00	1.02E-04	1.35E-04	1.02E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	1.35E-04
1243	ALL	residential	476930.6	3619725	NonCancer	9.90E-05	1.02E-04	0.00E+00	7.86E-08	0.00E+00	9.90E-05	1.34E-04	9.90E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	1.34E-04
1321	ALL	residential	476930.6	3619925	NonCancer	9.86E-05	1.02E-04	0.00E+00	7.83E-08	0.00E+00	9.87E-05	1.34E-04	9.86E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	1.34E-04
1282	ALL	residential	476930.6	3619825	NonCancer	9.83E-05	1.02E-04	0.00E+00	7.80E-08	0.00E+00	9.83E-05	1.33E-04	9.83E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	1.33E-04
1450	ALL	residential	476730.6	3620225	NonCancer	9.99E-05	1.03E-04	0.00E+00	7.94E-08	0.00E+00	1.00E-04	1.33E-04	9.99E-05	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	1.33E-04
1406	ALL	residential	476830.6	3620125	NonCancer	9.87E-05	1.02E-04	0.00E+00	7.84E-08	0.00E+00	9.87E-05	1.32E-04	9.87E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	1.32E-04
1201	ALL	residential	476830.6	3619625	NonCancer	9.85E-05	1.02E-04	0.00E+00	7.83E-08	0.00E+00	9.85E-05	1.32E-04	9.85E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	1.32E-04
1160	ALL	residential	476730.6	3619525	NonCancer	9.92E-05	1.03E-04	0.00E+00	7.88E-08	0.00E+00	9.93E-05	1.31E-04	9.92E-05	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	1.31E-04
1362	ALL	residential	476830.6	3620025	NonCancer	9.67E-05	1.00E-04	0.00E+00	7.68E-08	0.00E+00	9.67E-05	1.30E-04	9.67E-05	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	1.30E-04
1405	ALL	residential	476730.6	3620125	NonCancer	9.74E-05	1.01E-04	0.00E+00	7.73E-08	0.00E+00	9.74E-05	1.30E-04	9.74E-05	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	1.30E-04
1242	ALL	residential	476830.6	3619725	NonCancer	9.66E-05	1.00E-04	0.00E+00	7.67E-08	0.00E+00	9.66E-05	1.30E-04	9.66E-05	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	1.30E-04
1320	ALL	residential	476830.6	3619925	NonCancer	9.57E-05	9.91E-05	0.00E+00	7.60E-08	0.00E+00	9.58E-05	1.29E-04	9.57E-05	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	1.29E-04
1281	ALL	residential	476830.6	3619825	NonCancer	9.56E-05	9.90E-05	0.00E+00	7.59E-08	0.00E+00	9.56E-05	1.29E-04	9.56E-05	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	1.29E-04
1200	ALL	residential	476730.6	3619625	NonCancer	9.64E-05	9.98E-05	0.00E+00	7.65E-08	0.00E+00	9.64E-05	1.28E-04	9.64E-05	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	1.28E-04
1361	ALL	residential	476730.6	3620025	NonCancer	9.55E-05	9.88E-05	0.00E+00	7.58E-08	0.00E+00	9.55E-05	1.28E-04	9.55E-05	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	1.28E-04
1241	ALL	residential	476730.6	3619725	NonCancer	9.51E-05	9.84E-05	0.00E+00	7.55E-08	0.00E+00	9.51E-05	1.27E-04	9.51E-05	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	1.27E-04
1319	ALL	residential	476730.6	3619925	NonCancer	9.47E-05	9.81E-05	0.00E+00	7.52E-08	0.00E+00	9.47E-05	1.27E-04	9.47E-05	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	1.27E-04
1280	ALL	residential	476730.6	3619825	NonCancer	9.41E-05	9.74E-05	0.00E+00	7.47E-08	0.00E+00	9.41E-05	1.26E-04	9.41E-05	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	1.26E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
2064	ALL	FENCEINT	485581.2	3617672	NonCancer	1.05E-01	1.05E-01	3.32E-02	0.00E+00	0.00E+00	1.05E-01	1.77E-03	0.00E+00	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-01
2065	ALL	FENCEINT	485625.3	3617686	NonCancer	1.04E-01	1.04E-01	3.29E-02	0.00E+00	0.00E+00	1.04E-01	1.76E-03	0.00E+00	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-01
2066	ALL	FENCEINT	485669.3	3617700	NonCancer	9.14E-02	9.14E-02	2.89E-02	0.00E+00	0.00E+00	9.14E-02	1.54E-03	0.00E+00	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-02
2018	ALL	FENCEPRI	485493.1	3617644	NonCancer	4.75E-02	4.75E-02	1.50E-02	0.00E+00	0.00E+00	4.75E-02	8.00E-04	0.00E+00	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-02
2067	ALL	FENCEINT	485713.4	3617714	NonCancer	3.94E-02	3.94E-02	1.25E-02	0.00E+00	0.00E+00	3.94E-02	6.65E-04	0.00E+00	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-02
2062	ALL	FENCEINT	485454.8	3617675	NonCancer	3.46E-02	3.46E-02	1.09E-02	0.00E+00	0.00E+00	3.46E-02	5.82E-04	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-02
2061	ALL	FENCEINT	485416.6	3617705	NonCancer	2.56E-02	2.56E-02	8.09E-03	0.00E+00	0.00E+00	2.56E-02	4.31E-04	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-02
2019	ALL	FENCEPRI	485757.5	3617728	NonCancer	2.44E-02	2.44E-02	7.70E-03	0.00E+00	0.00E+00	2.44E-02	4.11E-04	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-02
2020	ALL	FENCEPRI	485772.4	3617690	NonCancer	2.27E-02	2.27E-02	7.15E-03	0.00E+00	0.00E+00	2.27E-02	3.82E-04	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-02
2060	ALL	FENCEINT	485378.4	3617735	NonCancer	1.97E-02	1.97E-02	6.20E-03	0.00E+00	0.00E+00	1.97E-02	3.31E-04	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-02
2068	ALL	FENCEINT	485797.5	3617670	NonCancer	1.84E-02	1.84E-02	5.80E-03	0.00E+00	0.00E+00	1.84E-02	3.09E-04	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-02
2059	ALL	FENCEINT	485340.2	3617766	NonCancer	1.58E-02	1.58E-02	5.00E-03	0.00E+00	0.00E+00	1.58E-02	2.67E-04	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-02
2021	ALL	FENCEPRI	485822.5	3617650	NonCancer	1.57E-02	1.57E-02	4.94E-03	0.00E+00	0.00E+00	1.57E-02	2.64E-04	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-02
133	ALL	recreationa	485836.6	3617642	NonCancer	1.43E-02	1.43E-02	4.53E-03	0.00E+00	0.00E+00	1.43E-02	2.42E-04	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-02
2069	ALL	FENCEINT	485850.8	3617683	NonCancer	1.41E-02	1.41E-02	4.45E-03	0.00E+00	0.00E+00	1.41E-02	2.38E-04	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-02
2058	ALL	FENCEINT	485302	3617796	NonCancer	1.34E-02	1.34E-02	4.23E-03	0.00E+00	0.00E+00	1.34E-02	2.26E-04	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-02
130	ALL	recreationa	485877.4	3617694	NonCancer	1.27E-02	1.27E-02	3.99E-03	0.00E+00	0.00E+00	1.27E-02	2.13E-04	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-02
2023	ALL	FENCEINT	485741.3	3617941	NonCancer	1.25E-02	1.25E-02	3.94E-03	0.00E+00	0.00E+00	1.25E-02	2.10E-04	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-02
2070	ALL	FENCEINT	485879.1	3617715	NonCancer	1.23E-02	1.23E-02	3.89E-03	0.00E+00	0.00E+00	1.23E-02	2.08E-04	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-02
2006	ALL	FENCEPRI	485760.3	3617907	NonCancer	1.20E-02	1.20E-02	3.79E-03	0.00E+00	0.00E+00	1.20E-02	2.02E-04	0.00E+00	9.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-02
2024	ALL	FENCEINT	485722.3	3617976	NonCancer	1.19E-02	1.19E-02	3.76E-03	0.00E+00	0.00E+00	1.19E-02	2.01E-04	0.00E+00	9.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-02
2057	ALL	FENCEINT	485263.8	3617827	NonCancer	1.18E-02	1.18E-02	3.72E-03	0.00E+00	0.00E+00	1.18E-02	1.99E-04	0.00E+00	9.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-02
2005	ALL	FENCEPRI	485785.8	3617885	NonCancer	1.17E-02	1.17E-02	3.69E-03	0.00E+00	0.00E+00	1.17E-02	1.97E-04	0.00E+00	9.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-02
2000	ALL	FENCEPRI	485867.1	3617825	NonCancer	1.15E-02	1.15E-02	3.63E-03	0.00E+00	0.00E+00	1.15E-02	1.94E-04	0.00E+00	9.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-02
2004	ALL	FENCEPRI	485820.1	3617863	NonCancer	1.14E-02	1.14E-02	3.61E-03	0.00E+00	0.00E+00	1.14E-02	1.92E-04	0.00E+00	9.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-02
2071	ALL	FENCEINT	485907.4	3617748	NonCancer	1.09E-02	1.09E-02	3.43E-03	0.00E+00	0.00E+00	1.09E-02	1.83E-04	0.00E+00	8.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-02
1920	ALL	Worker	485800	3617900	NonCancer	1.08E-02	1.08E-02	3.40E-03	0.00E+00	0.00E+00	1.08E-02	1.81E-04	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-02
2007	ALL	FENCEPRI	485703.2	3618010	NonCancer	1.08E-02	1.08E-02	3.39E-03	0.00E+00	0.00E+00	1.08E-02	1.81E-04	0.00E+00	8.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-02
2056	ALL	FENCEINT	485225.5	3617857	NonCancer	1.06E-02	1.06E-02	3.33E-03	0.00E+00	0.00E+00	1.06E-02	1.78E-04	0.00E+00	8.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-02
2022	ALL	FENCEINT	485901.4	3617803	NonCancer	1.05E-02	1.05E-02	3.32E-03	0.00E+00	0.00E+00	1.05E-02	1.77E-04	0.00E+00	8.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-02
2003	ALL	FENCEPRI	485854.4	3617853	NonCancer	1.05E-02	1.05E-02	3.32E-03	0.00E+00	0.00E+00	1.05E-02	1.77E-04	0.00E+00	8.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-02
129	ALL	recreationa	485919.6	3617746	NonCancer	1.04E-02	1.04E-02	3.29E-03	0.00E+00	0.00E+00	1.04E-02	1.75E-04	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-02
2001	ALL	FENCEPRI	485899.4	3617830	NonCancer	1.03E-02	1.03E-02	3.27E-03	0.00E+00	0.00E+00	1.03E-02	1.74E-04	0.00E+00	8.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-02
134	ALL	recreationa	485905.3	3617589	NonCancer	1.02E-02	1.02E-02	3.22E-03	0.00E+00	0.00E+00	1.02E-02	1.72E-04	0.00E+00	8.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-02
2002	ALL	FENCEPRI	485895.5	3617843	NonCancer	1.02E-02	1.02E-02	3.21E-03	0.00E+00	0.00E+00	1.02E-02	1.71E-04	0.00E+00	8.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-02
132	ALL	recreationa	485934.2	3617687	NonCancer	1.01E-02	1.01E-02	3.20E-03	0.00E+00	0.00E+00	1.01E-02	1.71E-04	0.00E+00	8.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-02
2025	ALL	FENCEINT	485690.1	3618043	NonCancer	9.80E-03	9.80E-03	3.09E-03	0.00E+00	0.00E+00	9.80E-03	1.65E-04	0.00E+00	8.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-03
2026	ALL	FENCEINT	485677	3618075	NonCancer	9.72E-03	9.72E-03	3.07E-03	0.00E+00	0.00E+00	9.72E-03	1.64E-04	0.00E+00	7.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-03
2008	ALL	FENCEPRI	485663.9	3618108	NonCancer	9.44E-03	9.44E-03	2.98E-03	0.00E+00	0.00E+00	9.44E-03	1.59E-04	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-03
1999	ALL	FENCEPRI	485935.7	3617781	NonCancer	9.36E-03	9.36E-03	2.96E-03	0.00E+00	0.00E+00	9.36E-03	1.58E-04	0.00E+00	7.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-03
135	ALL	recreationa	485955.6	3617717	NonCancer	9.31E-03	9.31E-03	2.94E-03	0.00E+00	0.00E+00	9.31E-03	1.57E-04	0.00E+00	7.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-03
2055	ALL	FENCEINT	485187.3	3617888	NonCancer	9.17E-03	9.17E-03	2.90E-03	0.00E+00	0.00E+00	9.17E-03	1.54E-04	0.00E+00	7.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-03
1933	ALL	Worker	485700	3618100	NonCancer	9.17E-03	9.17E-03	2.89E-03	0.00E+00	0.00E+00	9.17E-03	1.54E-04	0.00E+00	7.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-03
131	ALL	recreationa	485958.4	3617628	NonCancer	9.09E-03	9.09E-03	2.87E-03	0.00E+00	0.00E+00	9.09E-03	1.53E-04	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-03
2009	ALL	FENCEPRI	485668	3618155	NonCancer	8.89E-03	8.89E-03	2.80E-03	0.00E+00	0.00E+00	8.89E-03	1.50E-04	0.00E+00	7.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-03
1927	ALL	Worker	485800	3618000	NonCancer	8.66E-03	8.66E-03	2.73E-03	0.00E+00	0.00E+00	8.66E-03	1.46E-04	0.00E+00	7.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-03
2027	ALL	FENCEINT	485640.8	3618196	NonCancer	8.60E-03	8.60E-03	2.71E-03	0.00E+00	0.00E+00	8.60E-03	1.45E-04	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-03
1921	ALL	Worker	485900	3617900	NonCancer	8.45E-03	8.45E-03	2.67E-03	0.00E+00	0.00E+00	8.45E-03	1.42E-04	0.00E+00	6.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-03
1934	ALL	Worker	485800	3618100	NonCancer	8.37E-03	8.37E-03	2.64E-03	0.00E+00	0.00E+00	8.37E-03	1.41E-04	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-03
1939	ALL	Worker	485700	3618200	NonCancer	8.31E-03	8.31E-03	2.62E-03	0.00E+00	0.00E+00	8.31E-03	1.40E-04	0.00E+00	6.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-03
136	ALL	recreationa	486000.5	3617683	NonCancer	8.24E-03	8.24E-03	2.60E-03	0.00E+00	0.00E+00	8.24E-03	1.39E-04	0.00E+00	6.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
1928	ALL	Worker	485900	3618000	NonCancer	7.83E-03	7.83E-03	2.47E-03	0.00E+00	0.00E+00	7.83E-03	1.32E-04	0.00E+00	6.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-03
2028	ALL	FENCEINT	485613.7	3618238	NonCancer	7.83E-03	7.83E-03	2.47E-03	0.00E+00	0.00E+00	7.83E-03	1.32E-04	0.00E+00	6.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-03
1903	ALL	Worker	486000	3617600	NonCancer	7.72E-03	7.72E-03	2.44E-03	0.00E+00	0.00E+00	7.72E-03	1.30E-04	0.00E+00	6.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-03
1915	ALL	Worker	486000	3617800	NonCancer	7.71E-03	7.71E-03	2.43E-03	0.00E+00	0.00E+00	7.71E-03	1.30E-04	0.00E+00	6.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-03
2054	ALL	FENCEINT	485149.1	3617918	NonCancer	7.70E-03	7.70E-03	2.43E-03	0.00E+00	0.00E+00	7.70E-03	1.30E-04	0.00E+00	6.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-03
1935	ALL	Worker	485900	3618100	NonCancer	7.57E-03	7.57E-03	2.39E-03	0.00E+00	0.00E+00	7.57E-03	1.27E-04	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-03
1940	ALL	Worker	485800	3618200	NonCancer	7.54E-03	7.54E-03	2.38E-03	0.00E+00	0.00E+00	7.54E-03	1.27E-04	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-03
1945	ALL	Worker	485700	3618300	NonCancer	7.28E-03	7.28E-03	2.30E-03	0.00E+00	0.00E+00	7.28E-03	1.23E-04	0.00E+00	5.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-03
1922	ALL	Worker	486000	3617900	NonCancer	7.23E-03	7.23E-03	2.28E-03	0.00E+00	0.00E+00	7.23E-03	1.22E-04	0.00E+00	5.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-03
1893	ALL	Worker	486000	3617500	NonCancer	7.22E-03	7.22E-03	2.28E-03	0.00E+00	0.00E+00	7.22E-03	1.22E-04	0.00E+00	5.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-03
2029	ALL	FENCEINT	485586.6	3618279	NonCancer	7.11E-03	7.11E-03	2.24E-03	0.00E+00	0.00E+00	7.11E-03	1.20E-04	0.00E+00	5.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-03
1941	ALL	Worker	485900	3618200	NonCancer	7.03E-03	7.03E-03	2.22E-03	0.00E+00	0.00E+00	7.03E-03	1.18E-04	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-03
1929	ALL	Worker	486000	3618000	NonCancer	6.97E-03	6.97E-03	2.20E-03	0.00E+00	0.00E+00	6.97E-03	1.17E-04	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-03
2053	ALL	FENCEINT	485110.9	3617948	NonCancer	6.96E-03	6.96E-03	2.19E-03	0.00E+00	0.00E+00	6.96E-03	1.17E-04	0.00E+00	5.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-03
1946	ALL	Worker	485800	3618300	NonCancer	6.92E-03	6.92E-03	2.18E-03	0.00E+00	0.00E+00	6.92E-03	1.17E-04	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-03
1944	ALL	Worker	485600	3618300	NonCancer	6.86E-03	6.86E-03	2.17E-03	0.00E+00	0.00E+00	6.86E-03	1.16E-04	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-03
1936	ALL	Worker	486000	3618100	NonCancer	6.78E-03	6.78E-03	2.14E-03	0.00E+00	0.00E+00	6.78E-03	1.14E-04	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-03
604	ALL	school	485930.6	3618225	NonCancer	6.70E-03	6.70E-03	2.12E-03	0.00E+00	0.00E+00	6.70E-03	1.13E-04	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-03
2030	ALL	FENCEINT	485559.5	3618320	NonCancer	6.70E-03	6.70E-03	2.11E-03	0.00E+00	0.00E+00	6.70E-03	1.13E-04	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-03
1923	ALL	Worker	486100	3617900	NonCancer	6.62E-03	6.62E-03	2.09E-03	0.00E+00	0.00E+00	6.62E-03	1.12E-04	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-03
570	ALL	school	486030.6	3618125	NonCancer	6.52E-03	6.52E-03	2.06E-03	0.00E+00	0.00E+00	6.52E-03	1.10E-04	0.00E+00	5.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-03
1952	ALL	Worker	485800	3618400	NonCancer	6.44E-03	6.44E-03	2.03E-03	0.00E+00	0.00E+00	6.44E-03	1.08E-04	0.00E+00	5.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-03
1910	ALL	Worker	486100	3617700	NonCancer	6.42E-03	6.42E-03	2.02E-03	0.00E+00	0.00E+00	6.42E-03	1.08E-04	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-03
1951	ALL	Worker	485700	3618400	NonCancer	6.37E-03	6.37E-03	2.01E-03	0.00E+00	0.00E+00	6.37E-03	1.07E-04	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-03
1947	ALL	Worker	485900	3618300	NonCancer	6.34E-03	6.34E-03	2.00E-03	0.00E+00	0.00E+00	6.34E-03	1.07E-04	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-03
1942	ALL	Worker	486000	3618200	NonCancer	6.34E-03	6.34E-03	2.00E-03	0.00E+00	0.00E+00	6.34E-03	1.07E-04	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-03
1930	ALL	Worker	486100	3618000	NonCancer	6.31E-03	6.31E-03	1.99E-03	0.00E+00	0.00E+00	6.31E-03	1.06E-04	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-03
2052	ALL	FENCEINT	485072.7	3617979	NonCancer	6.27E-03	6.27E-03	1.98E-03	0.00E+00	0.00E+00	6.27E-03	1.06E-04	0.00E+00	5.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-03
1904	ALL	Worker	486100	3617600	NonCancer	6.25E-03	6.25E-03	1.97E-03	0.00E+00	0.00E+00	6.25E-03	1.05E-04	0.00E+00	5.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-03
1916	ALL	Worker	486100	3617800	NonCancer	6.24E-03	6.24E-03	1.97E-03	0.00E+00	0.00E+00	6.24E-03	1.05E-04	0.00E+00	5.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-03
2031	ALL	FENCEINT	485532.4	3618361	NonCancer	6.07E-03	6.07E-03	1.92E-03	0.00E+00	0.00E+00	6.07E-03	1.02E-04	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-03
1937	ALL	Worker	486100	3618100	NonCancer	6.07E-03	6.07E-03	1.92E-03	0.00E+00	0.00E+00	6.07E-03	1.02E-04	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-03
1950	ALL	Worker	485600	3618400	NonCancer	6.04E-03	6.04E-03	1.90E-03	0.00E+00	0.00E+00	6.04E-03	1.02E-04	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-03
1859	ALL	school	485901.8	3618345	NonCancer	6.02E-03	6.02E-03	1.90E-03	0.00E+00	0.00E+00	6.02E-03	1.01E-04	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-03
605	ALL	school	486030.6	3618225	NonCancer	5.98E-03	5.98E-03	1.89E-03	0.00E+00	0.00E+00	5.98E-03	1.01E-04	0.00E+00	4.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-03
1931	ALL	Worker	486200	3618000	NonCancer	5.93E-03	5.93E-03	1.87E-03	0.00E+00	0.00E+00	5.93E-03	9.98E-05	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-03
1894	ALL	Worker	486100	3617500	NonCancer	5.84E-03	5.84E-03	1.84E-03	0.00E+00	0.00E+00	5.84E-03	9.84E-05	0.00E+00	4.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-03
571	ALL	school	486130.6	3618125	NonCancer	5.83E-03	5.83E-03	1.84E-03	0.00E+00	0.00E+00	5.83E-03	9.81E-05	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-03
2051	ALL	FENCEINT	485034.4	3618009	NonCancer	5.71E-03	5.71E-03	1.80E-03	0.00E+00	0.00E+00	5.71E-03	9.62E-05	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-03
1953	ALL	Worker	485900	3618400	NonCancer	5.68E-03	5.68E-03	1.79E-03	0.00E+00	0.00E+00	5.68E-03	9.57E-05	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-03
1959	ALL	Worker	485800	3618500	NonCancer	5.68E-03	5.68E-03	1.79E-03	0.00E+00	0.00E+00	5.68E-03	9.56E-05	0.00E+00	4.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-03
1943	ALL	Worker	486100	3618200	NonCancer	5.67E-03	5.67E-03	1.79E-03	0.00E+00	0.00E+00	5.67E-03	9.55E-05	0.00E+00	4.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-03
534	ALL	residential	486230.6	3618025	NonCancer	5.62E-03	5.62E-03	1.77E-03	0.00E+00	0.00E+00	5.62E-03	9.47E-05	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-03
1924	ALL	Worker	486200	3617900	NonCancer	5.61E-03	5.61E-03	1.77E-03	0.00E+00	0.00E+00	5.61E-03	9.45E-05	0.00E+00	4.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-03
2010	ALL	FENCEPRI	485505.3	3618402	NonCancer	5.60E-03	5.60E-03	1.77E-03	0.00E+00	0.00E+00	5.60E-03	9.43E-05	0.00E+00	4.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-03
636	ALL	residential	486030.6	3618325	NonCancer	5.59E-03	5.59E-03	1.76E-03	0.00E+00	0.00E+00	5.59E-03	9.41E-05	0.00E+00	4.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-03
703	ALL	Pond	485830.6	3618525	NonCancer	5.54E-03	5.54E-03	1.75E-03	0.00E+00	0.00E+00	5.54E-03	9.33E-05	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-03
704	ALL	residential	485930.6	3618525	NonCancer	5.50E-03	5.50E-03	1.73E-03	0.00E+00	0.00E+00	5.50E-03	9.26E-05	0.00E+00	4.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-03
1958	ALL	Worker	485700	3618500	NonCancer	5.49E-03	5.49E-03	1.73E-03	0.00E+00	0.00E+00	5.49E-03	9.24E-05	0.00E+00	4.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-03
1938	ALL	Worker	486200	3618100	NonCancer	5.49E-03	5.49E-03	1.73E-03	0.00E+00	0.00E+00	5.49E-03	9.25E-05	0.00E+00	4.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-03
606	ALL	residential	486130.6	3618225	NonCancer	5.47E-03	5.47E-03	1.73E-03	0.00E+00	0.00E+00	5.47E-03	9.22E-05	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
1932	ALL	Worker	486300	3618000	NonCancer	5.45E-03	5.45E-03	1.72E-03	0.00E+00	0.00E+00	5.45E-03	9.17E-05	0.00E+00	4.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-03
1957	ALL	Worker	485600	3618500	NonCancer	5.42E-03	5.42E-03	1.71E-03	0.00E+00	0.00E+00	5.42E-03	9.13E-05	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-03
669	ALL	residential	485930.6	3618425	NonCancer	5.40E-03	5.40E-03	1.70E-03	0.00E+00	0.00E+00	5.40E-03	9.10E-05	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-03
572	ALL	residential	486230.6	3618125	NonCancer	5.30E-03	5.30E-03	1.67E-03	0.00E+00	0.00E+00	5.30E-03	8.93E-05	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-03
2050	ALL	FENCEINT	484996.2	3618040	NonCancer	5.28E-03	5.28E-03	1.67E-03	0.00E+00	0.00E+00	5.28E-03	8.89E-05	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-03
1911	ALL	Worker	486200	3617700	NonCancer	5.26E-03	5.26E-03	1.66E-03	0.00E+00	0.00E+00	5.26E-03	8.85E-05	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-03
535	ALL	residential	486330.6	3618025	NonCancer	5.25E-03	5.25E-03	1.66E-03	0.00E+00	0.00E+00	5.25E-03	8.84E-05	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-03
670	ALL	residential	486030.6	3618425	NonCancer	5.21E-03	5.21E-03	1.64E-03	0.00E+00	0.00E+00	5.21E-03	8.77E-05	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-03
1925	ALL	Worker	486300	3617900	NonCancer	5.18E-03	5.18E-03	1.63E-03	0.00E+00	0.00E+00	5.18E-03	8.72E-05	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-03
637	ALL	residential	486130.6	3618325	NonCancer	5.17E-03	5.17E-03	1.63E-03	0.00E+00	0.00E+00	5.17E-03	8.71E-05	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-03
1917	ALL	Worker	486200	3617800	NonCancer	5.17E-03	5.17E-03	1.63E-03	0.00E+00	0.00E+00	5.17E-03	8.70E-05	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-03
1956	ALL	Worker	485500	3618500	NonCancer	5.15E-03	5.15E-03	1.62E-03	0.00E+00	0.00E+00	5.15E-03	8.67E-05	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-03
1905	ALL	Worker	486200	3617600	NonCancer	5.14E-03	5.14E-03	1.62E-03	0.00E+00	0.00E+00	5.14E-03	8.66E-05	0.00E+00	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-03
2032	ALL	FENCEINT	485468.7	3618428	NonCancer	5.09E-03	5.09E-03	1.61E-03	0.00E+00	0.00E+00	5.09E-03	8.57E-05	0.00E+00	4.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-03
607	ALL	residential	486230.6	3618225	NonCancer	5.07E-03	5.07E-03	1.60E-03	0.00E+00	0.00E+00	5.07E-03	8.53E-05	0.00E+00	4.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-03
1967	ALL	Worker	485800	3618600	NonCancer	5.06E-03	5.06E-03	1.60E-03	0.00E+00	0.00E+00	5.06E-03	8.53E-05	0.00E+00	4.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-03
1966	ALL	Worker	485700	3618600	NonCancer	5.02E-03	5.02E-03	1.59E-03	0.00E+00	0.00E+00	5.02E-03	8.46E-05	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-03
741	ALL	residential	485830.6	3618625	NonCancer	4.96E-03	4.96E-03	1.57E-03	0.00E+00	0.00E+00	4.96E-03	8.35E-05	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-03
495	ALL	residential	486330.6	3617925	NonCancer	4.95E-03	4.95E-03	1.56E-03	0.00E+00	0.00E+00	4.95E-03	8.34E-05	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-03
1918	ALL	Worker	486300	3617800	NonCancer	4.95E-03	4.95E-03	1.56E-03	0.00E+00	0.00E+00	4.95E-03	8.34E-05	0.00E+00	4.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-03
742	ALL	residential	485930.6	3618625	NonCancer	4.87E-03	4.87E-03	1.54E-03	0.00E+00	0.00E+00	4.87E-03	8.20E-05	0.00E+00	4.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-03
2049	ALL	FENCEINT	484958	3618070	NonCancer	4.86E-03	4.86E-03	1.53E-03	0.00E+00	0.00E+00	4.86E-03	8.18E-05	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-03
1895	ALL	Worker	486200	3617500	NonCancer	4.84E-03	4.84E-03	1.53E-03	0.00E+00	0.00E+00	4.84E-03	8.14E-05	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-03
573	ALL	residential	486330.6	3618125	NonCancer	4.82E-03	4.82E-03	1.52E-03	0.00E+00	0.00E+00	4.82E-03	8.12E-05	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-03
1965	ALL	Worker	485600	3618600	NonCancer	4.82E-03	4.82E-03	1.52E-03	0.00E+00	0.00E+00	4.82E-03	8.11E-05	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-03
671	ALL	residential	486130.6	3618425	NonCancer	4.76E-03	4.76E-03	1.50E-03	0.00E+00	0.00E+00	4.76E-03	8.01E-05	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-03
1964	ALL	Worker	485500	3618600	NonCancer	4.72E-03	4.72E-03	1.49E-03	0.00E+00	0.00E+00	4.72E-03	7.94E-05	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-03
536	ALL	residential	486430.6	3618025	NonCancer	4.72E-03	4.72E-03	1.49E-03	0.00E+00	0.00E+00	4.72E-03	7.94E-05	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-03
638	ALL	residential	486230.6	3618325	NonCancer	4.72E-03	4.72E-03	1.49E-03	0.00E+00	0.00E+00	4.72E-03	7.94E-05	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-03
1926	ALL	Worker	486400	3617900	NonCancer	4.71E-03	4.71E-03	1.49E-03	0.00E+00	0.00E+00	4.71E-03	7.93E-05	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-03
743	ALL	residential	486030.6	3618625	NonCancer	4.71E-03	4.71E-03	1.49E-03	0.00E+00	0.00E+00	4.71E-03	7.93E-05	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-03
2033	ALL	FENCEINT	485432	3618454	NonCancer	4.70E-03	4.70E-03	1.48E-03	0.00E+00	0.00E+00	4.70E-03	7.91E-05	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-03
1919	ALL	Worker	486400	3617800	NonCancer	4.65E-03	4.65E-03	1.47E-03	0.00E+00	0.00E+00	4.65E-03	7.83E-05	0.00E+00	3.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-03
496	ALL	residential	486430.6	3617925	NonCancer	4.65E-03	4.65E-03	1.47E-03	0.00E+00	0.00E+00	4.65E-03	7.83E-05	0.00E+00	3.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-03
608	ALL	residential	486330.6	3618225	NonCancer	4.64E-03	4.64E-03	1.47E-03	0.00E+00	0.00E+00	4.64E-03	7.82E-05	0.00E+00	3.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-03
705	ALL	residential	486030.6	3618525	NonCancer	4.63E-03	4.63E-03	1.46E-03	0.00E+00	0.00E+00	4.63E-03	7.80E-05	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-03
1885	ALL	Worker	486200	3617400	NonCancer	4.61E-03	4.61E-03	1.45E-03	0.00E+00	0.00E+00	4.61E-03	7.76E-05	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-03
137	ALL	residential	486422.2	3617812	NonCancer	4.60E-03	4.60E-03	1.45E-03	0.00E+00	0.00E+00	4.60E-03	7.75E-05	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-03
574	ALL	residential	486430.6	3618125	NonCancer	4.59E-03	4.59E-03	1.45E-03	0.00E+00	0.00E+00	4.59E-03	7.72E-05	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-03
780	ALL	residential	485930.6	3618725	NonCancer	4.58E-03	4.58E-03	1.45E-03	0.00E+00	0.00E+00	4.58E-03	7.72E-05	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-03
454	ALL	residential	486430.6	3617825	NonCancer	4.57E-03	4.57E-03	1.44E-03	0.00E+00	0.00E+00	4.57E-03	7.69E-05	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-03
2016	ALL	FENCEPRI	485205.6	3618246	NonCancer	4.54E-03	4.54E-03	1.43E-03	0.00E+00	0.00E+00	4.54E-03	7.65E-05	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-03
1975	ALL	Worker	485700	3618700	NonCancer	4.54E-03	4.54E-03	1.43E-03	0.00E+00	0.00E+00	4.54E-03	7.64E-05	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-03
144	ALL	residential	486456.5	3617863	NonCancer	4.53E-03	4.53E-03	1.43E-03	0.00E+00	0.00E+00	4.53E-03	7.63E-05	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-03
2048	ALL	FENCEINT	484919.8	3618101	NonCancer	4.53E-03	4.53E-03	1.43E-03	0.00E+00	0.00E+00	4.53E-03	7.62E-05	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-03
706	ALL	residential	486130.6	3618525	NonCancer	4.47E-03	4.47E-03	1.41E-03	0.00E+00	0.00E+00	4.47E-03	7.52E-05	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-03
1912	ALL	Worker	486300	3617700	NonCancer	4.46E-03	4.46E-03	1.41E-03	0.00E+00	0.00E+00	4.46E-03	7.51E-05	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-03
2015	ALL	FENCEPRI	485202.9	3618258	NonCancer	4.46E-03	4.46E-03	1.41E-03	0.00E+00	0.00E+00	4.46E-03	7.51E-05	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-03
2042	ALL	FENCEINT	485159.3	3618230	NonCancer	4.46E-03	4.46E-03	1.41E-03	0.00E+00	0.00E+00	4.46E-03	7.50E-05	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-03
672	ALL	residential	486230.6	3618425	NonCancer	4.42E-03	4.42E-03	1.39E-03	0.00E+00	0.00E+00	4.42E-03	7.44E-05	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-03
1974	ALL	Worker	485600	3618700	NonCancer	4.39E-03	4.39E-03	1.39E-03	0.00E+00	0.00E+00	4.39E-03	7.39E-05	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
639	ALL	residential	486330.6	3618325	NonCancer	4.39E-03	4.39E-03	1.38E-03	0.00E+00	0.00E+00	4.39E-03	7.38E-05	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-03
781	ALL	residential	486030.6	3618725	NonCancer	4.37E-03	4.37E-03	1.38E-03	0.00E+00	0.00E+00	4.37E-03	7.36E-05	0.00E+00	3.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-03
1906	ALL	Worker	486300	3617600	NonCancer	4.36E-03	4.36E-03	1.38E-03	0.00E+00	0.00E+00	4.36E-03	7.34E-05	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-03
1973	ALL	Worker	485500	3618700	NonCancer	4.34E-03	4.34E-03	1.37E-03	0.00E+00	0.00E+00	4.34E-03	7.30E-05	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-03
1955	ALL	Worker	485400	3618500	NonCancer	4.32E-03	4.32E-03	1.36E-03	0.00E+00	0.00E+00	4.32E-03	7.28E-05	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-03
2044	ALL	FENCEINT	485066.7	3618197	NonCancer	4.32E-03	4.32E-03	1.36E-03	0.00E+00	0.00E+00	4.32E-03	7.27E-05	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-03
143	ALL	residential	486498.3	3617831	NonCancer	4.31E-03	4.31E-03	1.36E-03	0.00E+00	0.00E+00	4.31E-03	7.25E-05	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-03
779	ALL	residential	485830.6	3618725	NonCancer	4.30E-03	4.30E-03	1.36E-03	0.00E+00	0.00E+00	4.30E-03	7.24E-05	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-03
2043	ALL	FENCEINT	485113	3618213	NonCancer	4.29E-03	4.29E-03	1.35E-03	0.00E+00	0.00E+00	4.29E-03	7.22E-05	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-03
609	ALL	residential	486430.6	3618225	NonCancer	4.28E-03	4.28E-03	1.35E-03	0.00E+00	0.00E+00	4.28E-03	7.21E-05	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-03
497	ALL	residential	486530.6	3617925	NonCancer	4.28E-03	4.28E-03	1.35E-03	0.00E+00	0.00E+00	4.28E-03	7.21E-05	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-03
2041	ALL	FENCEINT	485182.6	3618274	NonCancer	4.28E-03	4.28E-03	1.35E-03	0.00E+00	0.00E+00	4.28E-03	7.20E-05	0.00E+00	3.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-03
412	ALL	residential	486330.6	3617725	NonCancer	4.27E-03	4.27E-03	1.35E-03	0.00E+00	0.00E+00	4.27E-03	7.19E-05	0.00E+00	3.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-03
537	ALL	residential	486530.6	3618025	NonCancer	4.26E-03	4.26E-03	1.34E-03	0.00E+00	0.00E+00	4.26E-03	7.16E-05	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-03
138	ALL	residential	486474.2	3617772	NonCancer	4.25E-03	4.25E-03	1.34E-03	0.00E+00	0.00E+00	4.25E-03	7.15E-05	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-03
1963	ALL	Worker	485400	3618600	NonCancer	4.24E-03	4.24E-03	1.34E-03	0.00E+00	0.00E+00	4.24E-03	7.13E-05	0.00E+00	3.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-03
455	ALL	residential	486530.6	3617825	NonCancer	4.23E-03	4.23E-03	1.34E-03	0.00E+00	0.00E+00	4.23E-03	7.13E-05	0.00E+00	3.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-03
575	ALL	residential	486530.6	3618125	NonCancer	4.22E-03	4.22E-03	1.33E-03	0.00E+00	0.00E+00	4.22E-03	7.10E-05	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-03
2017	ALL	FENCEPRI	484881.6	3618131	NonCancer	4.22E-03	4.22E-03	1.33E-03	0.00E+00	0.00E+00	4.22E-03	7.10E-05	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-03
1896	ALL	Worker	486300	3617500	NonCancer	4.21E-03	4.21E-03	1.33E-03	0.00E+00	0.00E+00	4.21E-03	7.09E-05	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-03
2045	ALL	FENCEINT	485020.5	3618180	NonCancer	4.17E-03	4.17E-03	1.31E-03	0.00E+00	0.00E+00	4.17E-03	7.01E-05	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-03
2014	ALL	FENCEPRI	485162.2	3618290	NonCancer	4.12E-03	4.12E-03	1.30E-03	0.00E+00	0.00E+00	4.12E-03	6.94E-05	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-03
1981	ALL	Worker	485600	3618800	NonCancer	4.11E-03	4.11E-03	1.30E-03	0.00E+00	0.00E+00	4.11E-03	6.92E-05	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-03
2040	ALL	FENCEINT	485187.5	3618321	NonCancer	4.11E-03	4.11E-03	1.30E-03	0.00E+00	0.00E+00	4.11E-03	6.91E-05	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-03
2047	ALL	FENCEINT	484927.9	3618147	NonCancer	4.10E-03	4.10E-03	1.29E-03	0.00E+00	0.00E+00	4.10E-03	6.91E-05	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-03
2039	ALL	FENCEINT	485212.9	3618352	NonCancer	4.10E-03	4.10E-03	1.29E-03	0.00E+00	0.00E+00	4.10E-03	6.90E-05	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-03
2034	ALL	FENCEINT	485395.4	3618479	NonCancer	4.10E-03	4.10E-03	1.29E-03	0.00E+00	0.00E+00	4.10E-03	6.90E-05	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-03
1982	ALL	Worker	485700	3618800	NonCancer	4.08E-03	4.08E-03	1.29E-03	0.00E+00	0.00E+00	4.08E-03	6.87E-05	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-03
1886	ALL	Worker	486300	3617400	NonCancer	4.08E-03	4.08E-03	1.29E-03	0.00E+00	0.00E+00	4.08E-03	6.87E-05	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-03
819	ALL	residential	486030.6	3618825	NonCancer	4.08E-03	4.08E-03	1.29E-03	0.00E+00	0.00E+00	4.08E-03	6.87E-05	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-03
139	ALL	residential	486517.8	3617736	NonCancer	4.08E-03	4.08E-03	1.29E-03	0.00E+00	0.00E+00	4.08E-03	6.86E-05	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-03
2013	ALL	FENCEPRI	485238.2	3618383	NonCancer	4.07E-03	4.07E-03	1.28E-03	0.00E+00	0.00E+00	4.07E-03	6.85E-05	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-03
818	ALL	residential	485930.6	3618825	NonCancer	4.06E-03	4.06E-03	1.28E-03	0.00E+00	0.00E+00	4.06E-03	6.84E-05	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-03
413	ALL	residential	486530.6	3617725	NonCancer	4.03E-03	4.03E-03	1.27E-03	0.00E+00	0.00E+00	4.03E-03	6.78E-05	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-03
142	ALL	residential	486555.9	3617784	NonCancer	4.02E-03	4.02E-03	1.27E-03	0.00E+00	0.00E+00	4.02E-03	6.78E-05	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-03
1980	ALL	Worker	485500	3618800	NonCancer	4.02E-03	4.02E-03	1.27E-03	0.00E+00	0.00E+00	4.02E-03	6.76E-05	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-03
817	ALL	residential	485830.6	3618825	NonCancer	4.02E-03	4.02E-03	1.27E-03	0.00E+00	0.00E+00	4.02E-03	6.76E-05	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-03
1972	ALL	Worker	485400	3618700	NonCancer	4.00E-03	4.00E-03	1.26E-03	0.00E+00	0.00E+00	4.00E-03	6.73E-05	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-03
2046	ALL	FENCEINT	484974.2	3618164	NonCancer	4.00E-03	4.00E-03	1.26E-03	0.00E+00	0.00E+00	4.00E-03	6.73E-05	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-03
1914	ALL	Worker	486500	3617700	NonCancer	3.98E-03	3.98E-03	1.26E-03	0.00E+00	0.00E+00	3.98E-03	6.71E-05	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-03
498	ALL	residential	486630.6	3617925	NonCancer	3.97E-03	3.97E-03	1.25E-03	0.00E+00	0.00E+00	3.97E-03	6.69E-05	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-03
538	ALL	residential	486630.6	3618025	NonCancer	3.97E-03	3.97E-03	1.25E-03	0.00E+00	0.00E+00	3.97E-03	6.69E-05	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-03
140	ALL	residential	486544.7	3617711	NonCancer	3.96E-03	3.96E-03	1.25E-03	0.00E+00	0.00E+00	3.96E-03	6.67E-05	0.00E+00	3.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-03
456	ALL	residential	486630.6	3617825	NonCancer	3.95E-03	3.95E-03	1.25E-03	0.00E+00	0.00E+00	3.95E-03	6.65E-05	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-03
1913	ALL	Worker	486400	3617700	NonCancer	3.92E-03	3.92E-03	1.24E-03	0.00E+00	0.00E+00	3.92E-03	6.60E-05	0.00E+00	3.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-03
744	ALL	residential	486230.6	3618625	NonCancer	3.91E-03	3.91E-03	1.23E-03	0.00E+00	0.00E+00	3.91E-03	6.58E-05	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-03
2012	ALL	FENCEPRI	485219.2	3618406	NonCancer	3.90E-03	3.90E-03	1.23E-03	0.00E+00	0.00E+00	3.90E-03	6.56E-05	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-03
640	ALL	residential	486530.6	3618325	NonCancer	3.87E-03	3.87E-03	1.22E-03	0.00E+00	0.00E+00	3.87E-03	6.52E-05	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-03
1988	ALL	Worker	485600	3618900	NonCancer	3.87E-03	3.87E-03	1.22E-03	0.00E+00	0.00E+00	3.87E-03	6.52E-05	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-03
673	ALL	residential	486430.6	3618425	NonCancer	3.87E-03	3.87E-03	1.22E-03	0.00E+00	0.00E+00	3.87E-03	6.51E-05	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-03
816	ALL	residential	485430.6	3618825	NonCancer	3.86E-03	3.86E-03	1.22E-03	0.00E+00	0.00E+00	3.86E-03	6.50E-05	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
1949	ALL	Worker	485200	3618400	NonCancer	3.86E-03	3.86E-03	1.22E-03	0.00E+00	0.00E+00	3.86E-03	6.50E-05	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-03
861	ALL	residential	486030.6	3618925	NonCancer	3.84E-03	3.84E-03	1.21E-03	0.00E+00	0.00E+00	3.84E-03	6.47E-05	0.00E+00	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-03
141	ALL	residential	486607.9	3617745	NonCancer	3.83E-03	3.83E-03	1.21E-03	0.00E+00	0.00E+00	3.83E-03	6.45E-05	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-03
858	ALL	residential	485530.6	3618925	NonCancer	3.82E-03	3.82E-03	1.21E-03	0.00E+00	0.00E+00	3.82E-03	6.44E-05	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-03
2038	ALL	FENCEINT	485244.9	3618437	NonCancer	3.82E-03	3.82E-03	1.21E-03	0.00E+00	0.00E+00	3.82E-03	6.44E-05	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-03
2035	ALL	FENCEINT	485358.8	3618505	NonCancer	3.82E-03	3.82E-03	1.20E-03	0.00E+00	0.00E+00	3.82E-03	6.43E-05	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-03
1907	ALL	Worker	486400	3617600	NonCancer	3.81E-03	3.81E-03	1.20E-03	0.00E+00	0.00E+00	3.81E-03	6.42E-05	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-03
291	ALL	recreationa	484630.6	3617325	NonCancer	3.81E-03	3.81E-03	1.20E-03	0.00E+00	0.00E+00	3.81E-03	6.41E-05	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-03
707	ALL	residential	486330.6	3618525	NonCancer	3.81E-03	3.81E-03	1.20E-03	0.00E+00	0.00E+00	3.81E-03	6.41E-05	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-03
499	ALL	residential	486730.6	3617925	NonCancer	3.79E-03	3.79E-03	1.20E-03	0.00E+00	0.00E+00	3.79E-03	6.38E-05	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-03
2037	ALL	FENCEINT	485270.7	3618469	NonCancer	3.79E-03	3.79E-03	1.19E-03	0.00E+00	0.00E+00	3.79E-03	6.37E-05	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-03
1989	ALL	Worker	485700	3618900	NonCancer	3.76E-03	3.76E-03	1.19E-03	0.00E+00	0.00E+00	3.76E-03	6.33E-05	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-03
859	ALL	residential	485830.6	3618925	NonCancer	3.73E-03	3.73E-03	1.18E-03	0.00E+00	0.00E+00	3.73E-03	6.28E-05	0.00E+00	3.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-03
414	ALL	residential	486630.6	3617725	NonCancer	3.71E-03	3.71E-03	1.17E-03	0.00E+00	0.00E+00	3.71E-03	6.25E-05	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-03
2036	ALL	FENCEINT	485296.5	3618500	NonCancer	3.70E-03	3.70E-03	1.17E-03	0.00E+00	0.00E+00	3.70E-03	6.24E-05	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-03
674	ALL	residential	486530.6	3618425	NonCancer	3.70E-03	3.70E-03	1.17E-03	0.00E+00	0.00E+00	3.70E-03	6.22E-05	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-03
708	ALL	residential	486430.6	3618525	NonCancer	3.69E-03	3.69E-03	1.16E-03	0.00E+00	0.00E+00	3.69E-03	6.21E-05	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-03
457	ALL	residential	486730.6	3617825	NonCancer	3.69E-03	3.69E-03	1.16E-03	0.00E+00	0.00E+00	3.69E-03	6.21E-05	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-03
641	ALL	residential	486630.6	3618325	NonCancer	3.68E-03	3.68E-03	1.16E-03	0.00E+00	0.00E+00	3.68E-03	6.19E-05	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-03
1897	ALL	Worker	486400	3617500	NonCancer	3.68E-03	3.68E-03	1.16E-03	0.00E+00	0.00E+00	3.68E-03	6.19E-05	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-03
857	ALL	residential	485430.6	3618925	NonCancer	3.68E-03	3.68E-03	1.16E-03	0.00E+00	0.00E+00	3.68E-03	6.19E-05	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-03
2011	ALL	FENCEPRI	485322.2	3618531	NonCancer	3.67E-03	3.67E-03	1.16E-03	0.00E+00	0.00E+00	3.67E-03	6.18E-05	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-03
745	ALL	residential	486330.6	3618625	NonCancer	3.67E-03	3.67E-03	1.16E-03	0.00E+00	0.00E+00	3.67E-03	6.18E-05	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-03
1993	ALL	Worker	485600	3619000	NonCancer	3.65E-03	3.65E-03	1.15E-03	0.00E+00	0.00E+00	3.65E-03	6.15E-05	0.00E+00	3.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-03
778	ALL	residential	485330.6	3618725	NonCancer	3.63E-03	3.63E-03	1.15E-03	0.00E+00	0.00E+00	3.63E-03	6.12E-05	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-03
610	ALL	residential	486730.6	3618225	NonCancer	3.61E-03	3.61E-03	1.14E-03	0.00E+00	0.00E+00	3.61E-03	6.08E-05	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-03
315	ALL	residential	484530.6	3617425	NonCancer	3.60E-03	3.60E-03	1.14E-03	0.00E+00	0.00E+00	3.60E-03	6.07E-05	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-03
860	ALL	residential	485930.6	3618925	NonCancer	3.60E-03	3.60E-03	1.14E-03	0.00E+00	0.00E+00	3.60E-03	6.06E-05	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-03
911	ALL	residential	485530.6	3619025	NonCancer	3.59E-03	3.59E-03	1.13E-03	0.00E+00	0.00E+00	3.59E-03	6.05E-05	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-03
912	ALL	residential	485630.6	3619025	NonCancer	3.59E-03	3.59E-03	1.13E-03	0.00E+00	0.00E+00	3.59E-03	6.04E-05	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-03
272	ALL	recreationa	484630.6	3617225	NonCancer	3.59E-03	3.59E-03	1.13E-03	0.00E+00	0.00E+00	3.59E-03	6.04E-05	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-03
1887	ALL	Worker	486400	3617400	NonCancer	3.57E-03	3.57E-03	1.13E-03	0.00E+00	0.00E+00	3.57E-03	6.01E-05	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-03
815	ALL	residential	485330.6	3618825	NonCancer	3.57E-03	3.57E-03	1.13E-03	0.00E+00	0.00E+00	3.57E-03	6.01E-05	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-03
500	ALL	residential	486830.6	3617925	NonCancer	3.56E-03	3.56E-03	1.12E-03	0.00E+00	0.00E+00	3.56E-03	6.00E-05	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-03
862	ALL	residential	486230.6	3618925	NonCancer	3.55E-03	3.55E-03	1.12E-03	0.00E+00	0.00E+00	3.55E-03	5.97E-05	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-03
415	ALL	residential	486730.6	3617725	NonCancer	3.53E-03	3.53E-03	1.12E-03	0.00E+00	0.00E+00	3.53E-03	5.95E-05	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-03
1994	ALL	Worker	485700	3619000	NonCancer	3.53E-03	3.53E-03	1.11E-03	0.00E+00	0.00E+00	3.53E-03	5.95E-05	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-03
782	ALL	residential	486230.6	3618725	NonCancer	3.50E-03	3.50E-03	1.11E-03	0.00E+00	0.00E+00	3.50E-03	5.90E-05	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-03
914	ALL	residential	485830.6	3619025	NonCancer	3.50E-03	3.50E-03	1.11E-03	0.00E+00	0.00E+00	3.50E-03	5.90E-05	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-03
910	ALL	residential	485430.6	3619025	NonCancer	3.50E-03	3.50E-03	1.10E-03	0.00E+00	0.00E+00	3.50E-03	5.89E-05	0.00E+00	2.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-03
1879	ALL	Worker	486400	3617300	NonCancer	3.47E-03	3.47E-03	1.10E-03	0.00E+00	0.00E+00	3.47E-03	5.85E-05	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-03
1948	ALL	Worker	485100	3618400	NonCancer	3.47E-03	3.47E-03	1.10E-03	0.00E+00	0.00E+00	3.47E-03	5.85E-05	0.00E+00	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-03
820	ALL	residential	486230.6	3618825	NonCancer	3.46E-03	3.46E-03	1.09E-03	0.00E+00	0.00E+00	3.46E-03	5.82E-05	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03
856	ALL	residential	485330.6	3618925	NonCancer	3.45E-03	3.45E-03	1.09E-03	0.00E+00	0.00E+00	3.45E-03	5.81E-05	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-03
1954	ALL	Worker	485200	3618500	NonCancer	3.45E-03	3.45E-03	1.09E-03	0.00E+00	0.00E+00	3.45E-03	5.80E-05	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-03
675	ALL	residential	486630.6	3618425	NonCancer	3.44E-03	3.44E-03	1.09E-03	0.00E+00	0.00E+00	3.44E-03	5.79E-05	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-03
539	ALL	residential	486930.6	3618025	NonCancer	3.44E-03	3.44E-03	1.08E-03	0.00E+00	0.00E+00	3.44E-03	5.79E-05	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-03
1997	ALL	Worker	485600	3619100	NonCancer	3.44E-03	3.44E-03	1.08E-03	0.00E+00	0.00E+00	3.44E-03	5.78E-05	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-03
271	ALL	recreationa	484530.6	3617225	NonCancer	3.43E-03	3.43E-03	1.08E-03	0.00E+00	0.00E+00	3.43E-03	5.77E-05	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-03
913	ALL	residential	485730.6	3619025	NonCancer	3.42E-03	3.42E-03	1.08E-03	0.00E+00	0.00E+00	3.42E-03	5.75E-05	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-03
1908	ALL	Worker	486500	3617600	NonCancer	3.42E-03	3.42E-03	1.08E-03	0.00E+00	0.00E+00	3.42E-03	5.75E-05	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
966	ALL	residential	485630.6	3619125	NonCancer	3.41E-03	3.41E-03	1.08E-03	0.00E+00	0.00E+00	3.41E-03	5.74E-05	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-03
783	ALL	residential	486330.6	3618725	NonCancer	3.41E-03	3.41E-03	1.07E-03	0.00E+00	0.00E+00	3.41E-03	5.73E-05	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-03
915	ALL	residential	485930.6	3619025	NonCancer	3.40E-03	3.40E-03	1.07E-03	0.00E+00	0.00E+00	3.40E-03	5.73E-05	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-03
965	ALL	residential	485530.6	3619125	NonCancer	3.38E-03	3.38E-03	1.07E-03	0.00E+00	0.00E+00	3.38E-03	5.70E-05	0.00E+00	2.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03
290	ALL	recreationa	484530.6	3617325	NonCancer	3.38E-03	3.38E-03	1.07E-03	0.00E+00	0.00E+00	3.38E-03	5.70E-05	0.00E+00	2.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03
458	ALL	residential	486830.6	3617825	NonCancer	3.38E-03	3.38E-03	1.07E-03	0.00E+00	0.00E+00	3.38E-03	5.69E-05	0.00E+00	2.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03
709	ALL	residential	486530.6	3618525	NonCancer	3.38E-03	3.38E-03	1.07E-03	0.00E+00	0.00E+00	3.38E-03	5.68E-05	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03
611	ALL	residential	486830.6	3618225	NonCancer	3.38E-03	3.38E-03	1.07E-03	0.00E+00	0.00E+00	3.38E-03	5.68E-05	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03
909	ALL	residential	485330.6	3619025	NonCancer	3.37E-03	3.37E-03	1.06E-03	0.00E+00	0.00E+00	3.37E-03	5.68E-05	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-03
642	ALL	residential	486730.6	3618325	NonCancer	3.36E-03	3.36E-03	1.06E-03	0.00E+00	0.00E+00	3.36E-03	5.65E-05	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-03
916	ALL	residential	486030.6	3619025	NonCancer	3.33E-03	3.33E-03	1.05E-03	0.00E+00	0.00E+00	3.33E-03	5.61E-05	0.00E+00	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-03
964	ALL	residential	485430.6	3619125	NonCancer	3.32E-03	3.32E-03	1.05E-03	0.00E+00	0.00E+00	3.32E-03	5.59E-05	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-03
968	ALL	residential	485830.6	3619125	NonCancer	3.32E-03	3.32E-03	1.05E-03	0.00E+00	0.00E+00	3.32E-03	5.59E-05	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-03
374	ALL	residential	486630.6	3617625	NonCancer	3.32E-03	3.32E-03	1.05E-03	0.00E+00	0.00E+00	3.32E-03	5.59E-05	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-03
416	ALL	residential	486830.6	3617725	NonCancer	3.31E-03	3.31E-03	1.05E-03	0.00E+00	0.00E+00	3.31E-03	5.58E-05	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-03
1998	ALL	Worker	485700	3619100	NonCancer	3.31E-03	3.31E-03	1.04E-03	0.00E+00	0.00E+00	3.31E-03	5.57E-05	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-03
1898	ALL	Worker	486500	3617500	NonCancer	3.30E-03	3.30E-03	1.04E-03	0.00E+00	0.00E+00	3.30E-03	5.56E-05	0.00E+00	2.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-03
710	ALL	residential	486630.6	3618525	NonCancer	3.29E-03	3.29E-03	1.04E-03	0.00E+00	0.00E+00	3.29E-03	5.55E-05	0.00E+00	2.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-03
314	ALL	recreationa	484430.6	3617425	NonCancer	3.28E-03	3.28E-03	1.04E-03	0.00E+00	0.00E+00	3.28E-03	5.52E-05	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-03
373	ALL	residential	484430.6	3617625	NonCancer	3.27E-03	3.27E-03	1.03E-03	0.00E+00	0.00E+00	3.27E-03	5.51E-05	0.00E+00	2.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-03
702	ALL	recreationa	485130.6	3618525	NonCancer	3.27E-03	3.27E-03	1.03E-03	0.00E+00	0.00E+00	3.27E-03	5.51E-05	0.00E+00	2.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-03
784	ALL	residential	486430.6	3618725	NonCancer	3.27E-03	3.27E-03	1.03E-03	0.00E+00	0.00E+00	3.27E-03	5.50E-05	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-03
1888	ALL	Worker	486500	3617400	NonCancer	3.27E-03	3.27E-03	1.03E-03	0.00E+00	0.00E+00	3.27E-03	5.50E-05	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-03
746	ALL	residential	486430.6	3618625	NonCancer	3.26E-03	3.26E-03	1.03E-03	0.00E+00	0.00E+00	3.26E-03	5.49E-05	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-03
576	ALL	residential	486830.6	3618125	NonCancer	3.25E-03	3.25E-03	1.02E-03	0.00E+00	0.00E+00	3.25E-03	5.47E-05	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-03
289	ALL	recreationa	484430.6	3617325	NonCancer	3.25E-03	3.25E-03	1.02E-03	0.00E+00	0.00E+00	3.25E-03	5.47E-05	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-03
339	ALL	residential	484430.6	3617525	NonCancer	3.24E-03	3.24E-03	1.02E-03	0.00E+00	0.00E+00	3.24E-03	5.46E-05	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-03
375	ALL	residential	486730.6	3617625	NonCancer	3.24E-03	3.24E-03	1.02E-03	0.00E+00	0.00E+00	3.24E-03	5.46E-05	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-03
855	ALL	residential	485230.6	3618925	NonCancer	3.24E-03	3.24E-03	1.02E-03	0.00E+00	0.00E+00	3.24E-03	5.46E-05	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-03
963	ALL	residential	485330.6	3619125	NonCancer	3.24E-03	3.24E-03	1.02E-03	0.00E+00	0.00E+00	3.24E-03	5.45E-05	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-03
459	ALL	residential	486930.6	3617825	NonCancer	3.23E-03	3.23E-03	1.02E-03	0.00E+00	0.00E+00	3.23E-03	5.44E-05	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-03
747	ALL	residential	486530.6	3618625	NonCancer	3.23E-03	3.23E-03	1.02E-03	0.00E+00	0.00E+00	3.23E-03	5.44E-05	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-03
814	ALL	residential	485230.6	3618825	NonCancer	3.23E-03	3.23E-03	1.02E-03	0.00E+00	0.00E+00	3.23E-03	5.43E-05	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-03
1874	ALL	Worker	486500	3617200	NonCancer	3.22E-03	3.22E-03	1.02E-03	0.00E+00	0.00E+00	3.22E-03	5.42E-05	0.00E+00	2.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-03
967	ALL	residential	485730.6	3619125	NonCancer	3.22E-03	3.22E-03	1.01E-03	0.00E+00	0.00E+00	3.22E-03	5.41E-05	0.00E+00	2.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-03
540	ALL	residential	487030.6	3618025	NonCancer	3.21E-03	3.21E-03	1.01E-03	0.00E+00	0.00E+00	3.21E-03	5.41E-05	0.00E+00	2.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-03
1022	ALL	residential	485630.6	3619225	NonCancer	3.20E-03	3.20E-03	1.01E-03	0.00E+00	0.00E+00	3.20E-03	5.39E-05	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-03
777	ALL	residential	485230.6	3618725	NonCancer	3.20E-03	3.20E-03	1.01E-03	0.00E+00	0.00E+00	3.20E-03	5.39E-05	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-03
643	ALL	residential	486830.6	3618325	NonCancer	3.20E-03	3.20E-03	1.01E-03	0.00E+00	0.00E+00	3.20E-03	5.39E-05	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-03
908	ALL	residential	485230.6	3619025	NonCancer	3.20E-03	3.20E-03	1.01E-03	0.00E+00	0.00E+00	3.20E-03	5.38E-05	0.00E+00	2.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-03
501	ALL	residential	487030.6	3617925	NonCancer	3.19E-03	3.19E-03	1.01E-03	0.00E+00	0.00E+00	3.19E-03	5.38E-05	0.00E+00	2.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-03
417	ALL	residential	486930.6	3617725	NonCancer	3.19E-03	3.19E-03	1.01E-03	0.00E+00	0.00E+00	3.19E-03	5.38E-05	0.00E+00	2.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-03
969	ALL	residential	485930.6	3619125	NonCancer	3.19E-03	3.19E-03	1.01E-03	0.00E+00	0.00E+00	3.19E-03	5.37E-05	0.00E+00	2.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-03
676	ALL	residential	486730.6	3618425	NonCancer	3.19E-03	3.19E-03	1.01E-03	0.00E+00	0.00E+00	3.19E-03	5.37E-05	0.00E+00	2.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-03
1021	ALL	residential	485530.6	3619225	NonCancer	3.19E-03	3.19E-03	1.01E-03	0.00E+00	0.00E+00	3.19E-03	5.36E-05	0.00E+00	2.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-03
258	ALL	recreationa	484530.6	3617125	NonCancer	3.18E-03	3.18E-03	1.00E-03	0.00E+00	0.00E+00	3.18E-03	5.35E-05	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-03
667	ALL	recreationa	485030.6	3618425	NonCancer	3.18E-03	3.18E-03	1.00E-03	0.00E+00	0.00E+00	3.18E-03	5.35E-05	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-03
1020	ALL	residential	485430.6	3619225	NonCancer	3.17E-03	3.17E-03	9.99E-04	0.00E+00	0.00E+00	3.17E-03	5.33E-05	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-03
962	ALL	residential	485230.6	3619125	NonCancer	3.16E-03	3.16E-03	9.95E-04	0.00E+00	0.00E+00	3.16E-03	5.31E-05	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-03
1880	ALL	Worker	486500	3617300	NonCancer	3.15E-03	3.15E-03	9.94E-04	0.00E+00	0.00E+00	3.15E-03	5.30E-05	0.00E+00	2.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-03
418	ALL	residential	487030.6	3617725	NonCancer	3.14E-03	3.14E-03	9.91E-04	0.00E+00	0.00E+00	3.14E-03	5.29E-05	0.00E+00	2.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
740	ALL	residential	485230.6	3618625	NonCancer	3.14E-03	3.14E-03	9.91E-04	0.00E+00	0.00E+00	3.14E-03	5.29E-05	0.00E+00	2.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-03
821	ALL	residential	486330.6	3618825	NonCancer	3.12E-03	3.12E-03	9.86E-04	0.00E+00	0.00E+00	3.12E-03	5.26E-05	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-03
612	ALL	residential	486930.6	3618225	NonCancer	3.10E-03	3.10E-03	9.78E-04	0.00E+00	0.00E+00	3.10E-03	5.22E-05	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03
917	ALL	residential	486230.6	3619025	NonCancer	3.10E-03	3.10E-03	9.78E-04	0.00E+00	0.00E+00	3.10E-03	5.22E-05	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03
1909	ALL	Worker	486600	3617600	NonCancer	3.10E-03	3.10E-03	9.78E-04	0.00E+00	0.00E+00	3.10E-03	5.22E-05	0.00E+00	2.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03
1869	ALL	Worker	486500	3617100	NonCancer	3.10E-03	3.10E-03	9.77E-04	0.00E+00	0.00E+00	3.10E-03	5.21E-05	0.00E+00	2.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03
577	ALL	residential	486930.6	3618125	NonCancer	3.09E-03	3.09E-03	9.74E-04	0.00E+00	0.00E+00	3.09E-03	5.20E-05	0.00E+00	2.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-03
1019	ALL	residential	485330.6	3619225	NonCancer	3.08E-03	3.08E-03	9.72E-04	0.00E+00	0.00E+00	3.08E-03	5.19E-05	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-03
376	ALL	residential	486830.6	3617625	NonCancer	3.07E-03	3.07E-03	9.70E-04	0.00E+00	0.00E+00	3.07E-03	5.18E-05	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-03
257	ALL	recreationa	484430.6	3617125	NonCancer	3.07E-03	3.07E-03	9.68E-04	0.00E+00	0.00E+00	3.07E-03	5.17E-05	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-03
1024	ALL	residential	485830.6	3619225	NonCancer	3.07E-03	3.07E-03	9.68E-04	0.00E+00	0.00E+00	3.07E-03	5.17E-05	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-03
313	ALL	recreationa	484330.6	3617425	NonCancer	3.06E-03	3.06E-03	9.67E-04	0.00E+00	0.00E+00	3.06E-03	5.16E-05	0.00E+00	2.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-03
644	ALL	residential	486930.6	3618325	NonCancer	3.06E-03	3.06E-03	9.65E-04	0.00E+00	0.00E+00	3.06E-03	5.15E-05	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-03
970	ALL	residential	486030.6	3619125	NonCancer	3.05E-03	3.05E-03	9.63E-04	0.00E+00	0.00E+00	3.05E-03	5.14E-05	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-03
578	ALL	residential	487030.6	3618125	NonCancer	3.05E-03	3.05E-03	9.62E-04	0.00E+00	0.00E+00	3.05E-03	5.13E-05	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-03
502	ALL	residential	487130.6	3617925	NonCancer	3.04E-03	3.04E-03	9.60E-04	0.00E+00	0.00E+00	3.04E-03	5.12E-05	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-03
270	ALL	recreationa	484430.6	3617225	NonCancer	3.04E-03	3.04E-03	9.60E-04	0.00E+00	0.00E+00	3.04E-03	5.12E-05	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-03
822	ALL	residential	486430.6	3618825	NonCancer	3.04E-03	3.04E-03	9.60E-04	0.00E+00	0.00E+00	3.04E-03	5.12E-05	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-03
1899	ALL	Worker	486600	3617500	NonCancer	3.04E-03	3.04E-03	9.60E-04	0.00E+00	0.00E+00	3.04E-03	5.12E-05	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-03
918	ALL	residential	486330.6	3619025	NonCancer	3.04E-03	3.04E-03	9.58E-04	0.00E+00	0.00E+00	3.04E-03	5.11E-05	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-03
677	ALL	residential	486830.6	3618425	NonCancer	3.02E-03	3.02E-03	9.54E-04	0.00E+00	0.00E+00	3.02E-03	5.09E-05	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-03
1018	ALL	residential	485230.6	3619225	NonCancer	3.02E-03	3.02E-03	9.53E-04	0.00E+00	0.00E+00	3.02E-03	5.09E-05	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-03
863	ALL	residential	486330.6	3618925	NonCancer	3.01E-03	3.01E-03	9.50E-04	0.00E+00	0.00E+00	3.01E-03	5.07E-05	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-03
907	ALL	residential	485130.6	3619025	NonCancer	3.01E-03	3.01E-03	9.49E-04	0.00E+00	0.00E+00	3.01E-03	5.06E-05	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-03
1023	ALL	residential	485730.6	3619225	NonCancer	3.01E-03	3.01E-03	9.48E-04	0.00E+00	0.00E+00	3.01E-03	5.06E-05	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-03
961	ALL	residential	485130.6	3619125	NonCancer	3.00E-03	3.00E-03	9.47E-04	0.00E+00	0.00E+00	3.00E-03	5.05E-05	0.00E+00	2.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-03
711	ALL	residential	486730.6	3618525	NonCancer	2.99E-03	2.99E-03	9.44E-04	0.00E+00	0.00E+00	2.99E-03	5.04E-05	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-03
1079	ALL	residential	485530.6	3619325	NonCancer	2.99E-03	2.99E-03	9.44E-04	0.00E+00	0.00E+00	2.99E-03	5.04E-05	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-03
372	ALL	residential	484330.6	3617625	NonCancer	2.99E-03	2.99E-03	9.44E-04	0.00E+00	0.00E+00	2.99E-03	5.04E-05	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-03
1078	ALL	residential	485430.6	3619325	NonCancer	2.99E-03	2.99E-03	9.42E-04	0.00E+00	0.00E+00	2.99E-03	5.03E-05	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-03
541	ALL	residential	487130.6	3618025	NonCancer	2.98E-03	2.98E-03	9.40E-04	0.00E+00	0.00E+00	2.98E-03	5.02E-05	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-03
1025	ALL	residential	485930.6	3619225	NonCancer	2.98E-03	2.98E-03	9.40E-04	0.00E+00	0.00E+00	2.98E-03	5.02E-05	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-03
971	ALL	residential	486230.6	3619125	NonCancer	2.98E-03	2.98E-03	9.39E-04	0.00E+00	0.00E+00	2.98E-03	5.01E-05	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-03
377	ALL	residential	486930.6	3617625	NonCancer	2.98E-03	2.98E-03	9.39E-04	0.00E+00	0.00E+00	2.98E-03	5.01E-05	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-03
1080	ALL	residential	485630.6	3619325	NonCancer	2.98E-03	2.98E-03	9.39E-04	0.00E+00	0.00E+00	2.98E-03	5.01E-05	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-03
701	ALL	recreationa	485030.6	3618525	NonCancer	2.98E-03	2.98E-03	9.39E-04	0.00E+00	0.00E+00	2.98E-03	5.01E-05	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-03
748	ALL	residential	486630.6	3618625	NonCancer	2.97E-03	2.97E-03	9.36E-04	0.00E+00	0.00E+00	2.97E-03	4.99E-05	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-03
460	ALL	residential	487130.6	3617825	NonCancer	2.96E-03	2.96E-03	9.35E-04	0.00E+00	0.00E+00	2.96E-03	4.99E-05	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03
854	ALL	residential	485130.6	3618925	NonCancer	2.96E-03	2.96E-03	9.34E-04	0.00E+00	0.00E+00	2.96E-03	4.99E-05	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03
288	ALL	recreationa	484330.6	3617325	NonCancer	2.96E-03	2.96E-03	9.33E-04	0.00E+00	0.00E+00	2.96E-03	4.98E-05	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03
1889	ALL	Worker	486600	3617400	NonCancer	2.96E-03	2.96E-03	9.32E-04	0.00E+00	0.00E+00	2.96E-03	4.98E-05	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03
378	ALL	residential	487030.6	3617625	NonCancer	2.94E-03	2.94E-03	9.28E-04	0.00E+00	0.00E+00	2.94E-03	4.95E-05	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-03
1027	ALL	residential	486230.6	3619225	NonCancer	2.94E-03	2.94E-03	9.27E-04	0.00E+00	0.00E+00	2.94E-03	4.95E-05	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-03
338	ALL	residential	484330.6	3617525	NonCancer	2.94E-03	2.94E-03	9.27E-04	0.00E+00	0.00E+00	2.94E-03	4.95E-05	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-03
1017	ALL	residential	485130.6	3619225	NonCancer	2.93E-03	2.93E-03	9.24E-04	0.00E+00	0.00E+00	2.93E-03	4.93E-05	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-03
1077	ALL	residential	485330.6	3619325	NonCancer	2.93E-03	2.93E-03	9.24E-04	0.00E+00	0.00E+00	2.93E-03	4.93E-05	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-03
223	ALL	recreationa	484630.6	3616825	NonCancer	2.92E-03	2.92E-03	9.22E-04	0.00E+00	0.00E+00	2.92E-03	4.92E-05	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-03
579	ALL	residential	487130.6	3618125	NonCancer	2.92E-03	2.92E-03	9.21E-04	0.00E+00	0.00E+00	2.92E-03	4.92E-05	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-03
1026	ALL	residential	486030.6	3619225	NonCancer	2.92E-03	2.92E-03	9.21E-04	0.00E+00	0.00E+00	2.92E-03	4.92E-05	0.00E+00	2.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-03
244	ALL	recreationa	484530.6	3617025	NonCancer	2.91E-03	2.91E-03	9.18E-04	0.00E+00	0.00E+00	2.91E-03	4.90E-05	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-03
1870	ALL	Worker	486600	3617100	NonCancer	2.91E-03	2.91E-03	9.18E-04	0.00E+00	0.00E+00	2.91E-03	4.90E-05	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
341	ALL	residential	486830.6	3617525	NonCancer	2.91E-03	2.91E-03	9.17E-04	0.00E+00	0.00E+00	2.91E-03	4.89E-05	0.00E+00	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-03
503	ALL	residential	487230.6	3617925	NonCancer	2.90E-03	2.90E-03	9.16E-04	0.00E+00	0.00E+00	2.90E-03	4.89E-05	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-03
749	ALL	residential	486730.6	3618625	NonCancer	2.90E-03	2.90E-03	9.15E-04	0.00E+00	0.00E+00	2.90E-03	4.88E-05	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-03
712	ALL	residential	486830.6	3618525	NonCancer	2.90E-03	2.90E-03	9.14E-04	0.00E+00	0.00E+00	2.90E-03	4.88E-05	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-03
739	ALL	residential	485130.6	3618625	NonCancer	2.90E-03	2.90E-03	9.14E-04	0.00E+00	0.00E+00	2.90E-03	4.88E-05	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-03
823	ALL	residential	486530.6	3618825	NonCancer	2.90E-03	2.90E-03	9.14E-04	0.00E+00	0.00E+00	2.90E-03	4.88E-05	0.00E+00	2.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-03
1881	ALL	Worker	486600	3617300	NonCancer	2.89E-03	2.89E-03	9.11E-04	0.00E+00	0.00E+00	2.89E-03	4.86E-05	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03
645	ALL	residential	487030.6	3618325	NonCancer	2.89E-03	2.89E-03	9.11E-04	0.00E+00	0.00E+00	2.89E-03	4.86E-05	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03
419	ALL	residential	487230.6	3617725	NonCancer	2.89E-03	2.89E-03	9.10E-04	0.00E+00	0.00E+00	2.89E-03	4.86E-05	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03
379	ALL	residential	487130.6	3617625	NonCancer	2.89E-03	2.89E-03	9.10E-04	0.00E+00	0.00E+00	2.89E-03	4.86E-05	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03
542	ALL	residential	487230.6	3618025	NonCancer	2.89E-03	2.89E-03	9.10E-04	0.00E+00	0.00E+00	2.89E-03	4.86E-05	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03
972	ALL	residential	486330.6	3619125	NonCancer	2.88E-03	2.88E-03	9.08E-04	0.00E+00	0.00E+00	2.88E-03	4.85E-05	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-03
1901	ALL	Worker	486800	3617500	NonCancer	2.87E-03	2.87E-03	9.06E-04	0.00E+00	0.00E+00	2.87E-03	4.84E-05	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-03
1076	ALL	residential	485230.6	3619325	NonCancer	2.86E-03	2.86E-03	9.03E-04	0.00E+00	0.00E+00	2.86E-03	4.82E-05	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-03
269	ALL	recreationa	484330.6	3617225	NonCancer	2.86E-03	2.86E-03	9.02E-04	0.00E+00	0.00E+00	2.86E-03	4.81E-05	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-03
813	ALL	residential	485130.6	3618825	NonCancer	2.85E-03	2.85E-03	8.98E-04	0.00E+00	0.00E+00	2.85E-03	4.79E-05	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-03
461	ALL	residential	487230.6	3617825	NonCancer	2.85E-03	2.85E-03	8.98E-04	0.00E+00	0.00E+00	2.85E-03	4.79E-05	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-03
1900	ALL	Worker	486700	3617500	NonCancer	2.84E-03	2.84E-03	8.96E-04	0.00E+00	0.00E+00	2.84E-03	4.78E-05	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-03
678	ALL	residential	486930.6	3618425	NonCancer	2.84E-03	2.84E-03	8.95E-04	0.00E+00	0.00E+00	2.84E-03	4.77E-05	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-03
786	ALL	residential	486630.6	3618725	NonCancer	2.83E-03	2.83E-03	8.93E-04	0.00E+00	0.00E+00	2.83E-03	4.76E-05	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-03
1081	ALL	residential	485730.6	3619325	NonCancer	2.83E-03	2.83E-03	8.93E-04	0.00E+00	0.00E+00	2.83E-03	4.76E-05	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-03
1875	ALL	Worker	486600	3617200	NonCancer	2.83E-03	2.83E-03	8.92E-04	0.00E+00	0.00E+00	2.83E-03	4.76E-05	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-03
668	ALL	recreationa	484950.3	3618481	NonCancer	2.82E-03	2.82E-03	8.89E-04	0.00E+00	0.00E+00	2.82E-03	4.74E-05	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03
1902	ALL	Worker	486900	3617500	NonCancer	2.82E-03	2.82E-03	8.88E-04	0.00E+00	0.00E+00	2.82E-03	4.74E-05	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03
1082	ALL	residential	485830.6	3619325	NonCancer	2.81E-03	2.81E-03	8.86E-04	0.00E+00	0.00E+00	2.81E-03	4.73E-05	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03
371	ALL	residential	484230.6	3617625	NonCancer	2.81E-03	2.81E-03	8.86E-04	0.00E+00	0.00E+00	2.81E-03	4.73E-05	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03
243	ALL	recreationa	484430.6	3617025	NonCancer	2.81E-03	2.81E-03	8.85E-04	0.00E+00	0.00E+00	2.81E-03	4.72E-05	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03
776	ALL	residential	485130.6	3618725	NonCancer	2.80E-03	2.80E-03	8.85E-04	0.00E+00	0.00E+00	2.80E-03	4.72E-05	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03
1075	ALL	residential	485130.6	3619325	NonCancer	2.80E-03	2.80E-03	8.84E-04	0.00E+00	0.00E+00	2.80E-03	4.72E-05	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03
613	ALL	residential	487030.6	3618225	NonCancer	2.80E-03	2.80E-03	8.83E-04	0.00E+00	0.00E+00	2.80E-03	4.71E-05	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03
785	ALL	residential	486530.6	3618725	NonCancer	2.80E-03	2.80E-03	8.83E-04	0.00E+00	0.00E+00	2.80E-03	4.71E-05	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03
1137	ALL	residential	485530.6	3619425	NonCancer	2.80E-03	2.80E-03	8.82E-04	0.00E+00	0.00E+00	2.80E-03	4.71E-05	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03
1135	ALL	residential	485330.6	3619425	NonCancer	2.79E-03	2.79E-03	8.82E-04	0.00E+00	0.00E+00	2.79E-03	4.70E-05	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-03
256	ALL	recreationa	484330.6	3617125	NonCancer	2.79E-03	2.79E-03	8.82E-04	0.00E+00	0.00E+00	2.79E-03	4.70E-05	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-03
1136	ALL	residential	485430.6	3619425	NonCancer	2.79E-03	2.79E-03	8.81E-04	0.00E+00	0.00E+00	2.79E-03	4.70E-05	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-03
340	ALL	residential	486730.6	3617525	NonCancer	2.79E-03	2.79E-03	8.81E-04	0.00E+00	0.00E+00	2.79E-03	4.70E-05	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-03
342	ALL	residential	486930.6	3617525	NonCancer	2.79E-03	2.79E-03	8.80E-04	0.00E+00	0.00E+00	2.79E-03	4.70E-05	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-03
242	ALL	recreationa	484330.6	3617025	NonCancer	2.78E-03	2.78E-03	8.78E-04	0.00E+00	0.00E+00	2.78E-03	4.69E-05	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-03
1138	ALL	residential	485630.6	3619425	NonCancer	2.78E-03	2.78E-03	8.76E-04	0.00E+00	0.00E+00	2.78E-03	4.68E-05	0.00E+00	2.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-03
232	ALL	recreationa	484530.6	3616925	NonCancer	2.77E-03	2.77E-03	8.74E-04	0.00E+00	0.00E+00	2.77E-03	4.66E-05	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-03
1016	ALL	residential	485030.6	3619225	NonCancer	2.76E-03	2.76E-03	8.72E-04	0.00E+00	0.00E+00	2.76E-03	4.65E-05	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-03
750	ALL	residential	486830.6	3618625	NonCancer	2.76E-03	2.76E-03	8.72E-04	0.00E+00	0.00E+00	2.76E-03	4.65E-05	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-03
343	ALL	residential	487030.6	3617525	NonCancer	2.76E-03	2.76E-03	8.70E-04	0.00E+00	0.00E+00	2.76E-03	4.64E-05	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-03
504	ALL	residential	487330.6	3617925	NonCancer	2.75E-03	2.75E-03	8.69E-04	0.00E+00	0.00E+00	2.75E-03	4.64E-05	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-03
222	ALL	recreationa	484530.6	3616825	NonCancer	2.75E-03	2.75E-03	8.67E-04	0.00E+00	0.00E+00	2.75E-03	4.63E-05	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-03
1134	ALL	residential	485230.6	3619425	NonCancer	2.75E-03	2.75E-03	8.67E-04	0.00E+00	0.00E+00	2.75E-03	4.63E-05	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-03
906	ALL	residential	485030.6	3619025	NonCancer	2.75E-03	2.75E-03	8.66E-04	0.00E+00	0.00E+00	2.75E-03	4.62E-05	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-03
1890	ALL	Worker	486700	3617400	NonCancer	2.74E-03	2.74E-03	8.66E-04	0.00E+00	0.00E+00	2.74E-03	4.62E-05	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03
1084	ALL	residential	486030.6	3619325	NonCancer	2.74E-03	2.74E-03	8.65E-04	0.00E+00	0.00E+00	2.74E-03	4.62E-05	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03
1083	ALL	residential	485930.6	3619325	NonCancer	2.74E-03	2.74E-03	8.65E-04	0.00E+00	0.00E+00	2.74E-03	4.62E-05	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03
543	ALL	residential	487330.6	3618025	NonCancer	2.74E-03	2.74E-03	8.65E-04	0.00E+00	0.00E+00	2.74E-03	4.61E-05	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
268	ALL	recreationa	484230.6	3617225	NonCancer	2.74E-03	2.74E-03	8.64E-04	0.00E+00	0.00E+00	2.74E-03	4.61E-05	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03
420	ALL	residential	487330.6	3617725	NonCancer	2.74E-03	2.74E-03	8.64E-04	0.00E+00	0.00E+00	2.74E-03	4.61E-05	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03
864	ALL	residential	486430.6	3618925	NonCancer	2.74E-03	2.74E-03	8.65E-04	0.00E+00	0.00E+00	2.74E-03	4.61E-05	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03
1133	ALL	residential	485130.6	3619425	NonCancer	2.74E-03	2.74E-03	8.64E-04	0.00E+00	0.00E+00	2.74E-03	4.61E-05	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03
1962	ALL	Worker	485000	3618600	NonCancer	2.73E-03	2.73E-03	8.62E-04	0.00E+00	0.00E+00	2.73E-03	4.60E-05	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-03
344	ALL	residential	487130.6	3617525	NonCancer	2.73E-03	2.73E-03	8.61E-04	0.00E+00	0.00E+00	2.73E-03	4.59E-05	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-03
865	ALL	residential	486530.6	3618925	NonCancer	2.73E-03	2.73E-03	8.60E-04	0.00E+00	0.00E+00	2.73E-03	4.59E-05	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-03
679	ALL	residential	487030.6	3618425	NonCancer	2.72E-03	2.72E-03	8.60E-04	0.00E+00	0.00E+00	2.72E-03	4.59E-05	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-03
713	ALL	residential	486930.6	3618525	NonCancer	2.72E-03	2.72E-03	8.59E-04	0.00E+00	0.00E+00	2.72E-03	4.58E-05	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-03
580	ALL	residential	487230.6	3618125	NonCancer	2.71E-03	2.71E-03	8.56E-04	0.00E+00	0.00E+00	2.71E-03	4.57E-05	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-03
1865	ALL	Worker	486600	3617000	NonCancer	2.71E-03	2.71E-03	8.55E-04	0.00E+00	0.00E+00	2.71E-03	4.56E-05	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-03
1882	ALL	Worker	486700	3617300	NonCancer	2.71E-03	2.71E-03	8.55E-04	0.00E+00	0.00E+00	2.71E-03	4.56E-05	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-03
462	ALL	residential	487330.6	3617825	NonCancer	2.71E-03	2.71E-03	8.54E-04	0.00E+00	0.00E+00	2.71E-03	4.55E-05	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-03
287	ALL	residential	484230.6	3617325	NonCancer	2.70E-03	2.70E-03	8.51E-04	0.00E+00	0.00E+00	2.70E-03	4.54E-05	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-03
853	ALL	residential	485030.6	3618925	NonCancer	2.69E-03	2.69E-03	8.50E-04	0.00E+00	0.00E+00	2.69E-03	4.53E-05	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-03
775	ALL	residential	485030.6	3618725	NonCancer	2.69E-03	2.69E-03	8.47E-04	0.00E+00	0.00E+00	2.69E-03	4.52E-05	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-03
1074	ALL	residential	485030.6	3619325	NonCancer	2.68E-03	2.68E-03	8.47E-04	0.00E+00	0.00E+00	2.68E-03	4.52E-05	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-03
1871	ALL	Worker	486700	3617100	NonCancer	2.68E-03	2.68E-03	8.47E-04	0.00E+00	0.00E+00	2.68E-03	4.52E-05	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-03
700	ALL	recreationa	484930.6	3618525	NonCancer	2.68E-03	2.68E-03	8.45E-04	0.00E+00	0.00E+00	2.68E-03	4.51E-05	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-03
960	ALL	residential	485030.6	3619125	NonCancer	2.67E-03	2.67E-03	8.44E-04	0.00E+00	0.00E+00	2.67E-03	4.50E-05	0.00E+00	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03
411	ALL	Industrial	484330.6	3617725	NonCancer	2.67E-03	2.67E-03	8.43E-04	0.00E+00	0.00E+00	2.67E-03	4.50E-05	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03
312	ALL	residential	484230.6	3617425	NonCancer	2.67E-03	2.67E-03	8.41E-04	0.00E+00	0.00E+00	2.67E-03	4.49E-05	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03
738	ALL	recreationa	485030.6	3618625	NonCancer	2.67E-03	2.67E-03	8.41E-04	0.00E+00	0.00E+00	2.67E-03	4.49E-05	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03
973	ALL	residential	486430.6	3619125	NonCancer	2.66E-03	2.66E-03	8.41E-04	0.00E+00	0.00E+00	2.66E-03	4.49E-05	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03
787	ALL	residential	486730.6	3618725	NonCancer	2.66E-03	2.66E-03	8.40E-04	0.00E+00	0.00E+00	2.66E-03	4.48E-05	0.00E+00	2.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03
1139	ALL	residential	485730.6	3619425	NonCancer	2.66E-03	2.66E-03	8.39E-04	0.00E+00	0.00E+00	2.66E-03	4.48E-05	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03
1190	ALL	residential	485330.6	3619525	NonCancer	2.66E-03	2.66E-03	8.39E-04	0.00E+00	0.00E+00	2.66E-03	4.48E-05	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03
345	ALL	residential	487230.6	3617525	NonCancer	2.65E-03	2.65E-03	8.36E-04	0.00E+00	0.00E+00	2.65E-03	4.46E-05	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-03
1132	ALL	residential	485030.6	3619425	NonCancer	2.65E-03	2.65E-03	8.35E-04	0.00E+00	0.00E+00	2.65E-03	4.46E-05	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-03
1141	ALL	residential	485930.6	3619425	NonCancer	2.65E-03	2.65E-03	8.35E-04	0.00E+00	0.00E+00	2.65E-03	4.46E-05	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-03
1188	ALL	residential	485130.6	3619525	NonCancer	2.65E-03	2.65E-03	8.35E-04	0.00E+00	0.00E+00	2.65E-03	4.45E-05	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-03
1085	ALL	residential	486230.6	3619325	NonCancer	2.65E-03	2.65E-03	8.35E-04	0.00E+00	0.00E+00	2.65E-03	4.45E-05	0.00E+00	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-03
337	ALL	residential	484230.6	3617525	NonCancer	2.63E-03	2.63E-03	8.30E-04	0.00E+00	0.00E+00	2.63E-03	4.43E-05	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03
919	ALL	residential	486430.6	3619025	NonCancer	2.63E-03	2.63E-03	8.30E-04	0.00E+00	0.00E+00	2.63E-03	4.43E-05	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03
1189	ALL	residential	485230.6	3619525	NonCancer	2.63E-03	2.63E-03	8.29E-04	0.00E+00	0.00E+00	2.63E-03	4.42E-05	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03
1866	ALL	Worker	486700	3617000	NonCancer	2.62E-03	2.62E-03	8.28E-04	0.00E+00	0.00E+00	2.62E-03	4.42E-05	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03
666	ALL	recreationa	484730.6	3618425	NonCancer	2.62E-03	2.62E-03	8.28E-04	0.00E+00	0.00E+00	2.62E-03	4.42E-05	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03
751	ALL	residential	486930.6	3618625	NonCancer	2.62E-03	2.62E-03	8.27E-04	0.00E+00	0.00E+00	2.62E-03	4.41E-05	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03
646	ALL	residential	487130.6	3618325	NonCancer	2.62E-03	2.62E-03	8.27E-04	0.00E+00	0.00E+00	2.62E-03	4.41E-05	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03
1028	ALL	residential	486330.6	3619225	NonCancer	2.62E-03	2.62E-03	8.25E-04	0.00E+00	0.00E+00	2.62E-03	4.40E-05	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03
1876	ALL	Worker	486700	3617200	NonCancer	2.61E-03	2.61E-03	8.24E-04	0.00E+00	0.00E+00	2.61E-03	4.40E-05	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-03
1029	ALL	residential	486430.6	3619225	NonCancer	2.61E-03	2.61E-03	8.24E-04	0.00E+00	0.00E+00	2.61E-03	4.40E-05	0.00E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-03
380	ALL	residential	487430.6	3617625	NonCancer	2.61E-03	2.61E-03	8.23E-04	0.00E+00	0.00E+00	2.61E-03	4.39E-05	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-03
421	ALL	residential	487430.6	3617725	NonCancer	2.61E-03	2.61E-03	8.22E-04	0.00E+00	0.00E+00	2.61E-03	4.39E-05	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-03
1015	ALL	residential	484930.6	3619225	NonCancer	2.60E-03	2.60E-03	8.21E-04	0.00E+00	0.00E+00	2.60E-03	4.38E-05	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03
1192	ALL	residential	485530.6	3619525	NonCancer	2.60E-03	2.60E-03	8.21E-04	0.00E+00	0.00E+00	2.60E-03	4.38E-05	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03
1086	ALL	residential	486330.6	3619325	NonCancer	2.60E-03	2.60E-03	8.21E-04	0.00E+00	0.00E+00	2.60E-03	4.38E-05	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03
1140	ALL	residential	485830.6	3619425	NonCancer	2.60E-03	2.60E-03	8.20E-04	0.00E+00	0.00E+00	2.60E-03	4.37E-05	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03
318	ALL	residential	487130.6	3617425	NonCancer	2.60E-03	2.60E-03	8.19E-04	0.00E+00	0.00E+00	2.60E-03	4.37E-05	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03
319	ALL	residential	487230.6	3617425	NonCancer	2.59E-03	2.59E-03	8.18E-04	0.00E+00	0.00E+00	2.59E-03	4.36E-05	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-03
286	ALL	residential	484130.6	3617325	NonCancer	2.59E-03	2.59E-03	8.18E-04	0.00E+00	0.00E+00	2.59E-03	4.36E-05	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
317	ALL	residential	487030.6	3617425	NonCancer	2.59E-03	2.59E-03	8.18E-04	0.00E+00	0.00E+00	2.59E-03	4.36E-05	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-03
581	ALL	residential	487330.6	3618125	NonCancer	2.59E-03	2.59E-03	8.17E-04	0.00E+00	0.00E+00	2.59E-03	4.36E-05	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-03
505	ALL	residential	487430.6	3617925	NonCancer	2.59E-03	2.59E-03	8.17E-04	0.00E+00	0.00E+00	2.59E-03	4.36E-05	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-03
1187	ALL	residential	485030.6	3619525	NonCancer	2.58E-03	2.58E-03	8.14E-04	0.00E+00	0.00E+00	2.58E-03	4.35E-05	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-03
1971	ALL	Worker	485000	3618700	NonCancer	2.58E-03	2.58E-03	8.14E-04	0.00E+00	0.00E+00	2.58E-03	4.34E-05	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-03
1191	ALL	residential	485430.6	3619525	NonCancer	2.58E-03	2.58E-03	8.13E-04	0.00E+00	0.00E+00	2.58E-03	4.34E-05	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-03
1193	ALL	residential	485630.6	3619525	NonCancer	2.57E-03	2.57E-03	8.12E-04	0.00E+00	0.00E+00	2.57E-03	4.33E-05	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-03
788	ALL	residential	486830.6	3618725	NonCancer	2.57E-03	2.57E-03	8.12E-04	0.00E+00	0.00E+00	2.57E-03	4.33E-05	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-03
866	ALL	residential	486630.6	3618925	NonCancer	2.57E-03	2.57E-03	8.12E-04	0.00E+00	0.00E+00	2.57E-03	4.33E-05	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-03
544	ALL	residential	487430.6	3618025	NonCancer	2.57E-03	2.57E-03	8.11E-04	0.00E+00	0.00E+00	2.57E-03	4.33E-05	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-03
680	ALL	residential	487130.6	3618425	NonCancer	2.57E-03	2.57E-03	8.11E-04	0.00E+00	0.00E+00	2.57E-03	4.33E-05	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-03
463	ALL	residential	487430.6	3617825	NonCancer	2.57E-03	2.57E-03	8.10E-04	0.00E+00	0.00E+00	2.57E-03	4.32E-05	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-03
370	ALL	residential	484130.6	3617625	NonCancer	2.56E-03	2.56E-03	8.09E-04	0.00E+00	0.00E+00	2.56E-03	4.32E-05	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03
714	ALL	residential	487030.6	3618525	NonCancer	2.56E-03	2.56E-03	8.08E-04	0.00E+00	0.00E+00	2.56E-03	4.31E-05	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03
1891	ALL	Worker	486800	3617400	NonCancer	2.56E-03	2.56E-03	8.06E-04	0.00E+00	0.00E+00	2.56E-03	4.30E-05	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03
255	ALL	recreationa	484230.6	3617125	NonCancer	2.55E-03	2.55E-03	8.05E-04	0.00E+00	0.00E+00	2.55E-03	4.30E-05	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-03
316	ALL	residential	486930.6	3617425	NonCancer	2.55E-03	2.55E-03	8.04E-04	0.00E+00	0.00E+00	2.55E-03	4.29E-05	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-03
231	ALL	recreationa	484430.6	3616925	NonCancer	2.54E-03	2.54E-03	8.02E-04	0.00E+00	0.00E+00	2.54E-03	4.28E-05	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-03
1142	ALL	residential	486030.6	3619425	NonCancer	2.54E-03	2.54E-03	8.00E-04	0.00E+00	0.00E+00	2.54E-03	4.27E-05	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-03
1144	ALL	residential	486330.6	3619425	NonCancer	2.53E-03	2.53E-03	7.99E-04	0.00E+00	0.00E+00	2.53E-03	4.26E-05	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-03
1194	ALL	residential	485730.6	3619525	NonCancer	2.52E-03	2.52E-03	7.95E-04	0.00E+00	0.00E+00	2.52E-03	4.24E-05	0.00E+00	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-03
737	ALL	recreationa	484930.6	3618625	NonCancer	2.51E-03	2.51E-03	7.93E-04	0.00E+00	0.00E+00	2.51E-03	4.23E-05	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03
267	ALL	residential	484130.6	3617225	NonCancer	2.51E-03	2.51E-03	7.91E-04	0.00E+00	0.00E+00	2.51E-03	4.22E-05	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03
381	ALL	residential	487530.6	3617625	NonCancer	2.51E-03	2.51E-03	7.91E-04	0.00E+00	0.00E+00	2.51E-03	4.22E-05	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03
825	ALL	residential	486730.6	3618825	NonCancer	2.51E-03	2.51E-03	7.90E-04	0.00E+00	0.00E+00	2.51E-03	4.22E-05	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03
1196	ALL	residential	485930.6	3619525	NonCancer	2.51E-03	2.51E-03	7.90E-04	0.00E+00	0.00E+00	2.51E-03	4.22E-05	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03
320	ALL	residential	487330.6	3617425	NonCancer	2.50E-03	2.50E-03	7.90E-04	0.00E+00	0.00E+00	2.50E-03	4.21E-05	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-03
959	ALL	residential	484930.6	3619125	NonCancer	2.50E-03	2.50E-03	7.88E-04	0.00E+00	0.00E+00	2.50E-03	4.20E-05	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-03
1867	ALL	Worker	486800	3617000	NonCancer	2.49E-03	2.49E-03	7.87E-04	0.00E+00	0.00E+00	2.49E-03	4.20E-05	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-03
1883	ALL	Worker	486800	3617300	NonCancer	2.49E-03	2.49E-03	7.86E-04	0.00E+00	0.00E+00	2.49E-03	4.20E-05	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-03
1231	ALL	residential	485330.6	3619625	NonCancer	2.48E-03	2.48E-03	7.84E-04	0.00E+00	0.00E+00	2.48E-03	4.18E-05	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03
145	ALL	school	487472.4	3617865	NonCancer	2.48E-03	2.48E-03	7.83E-04	0.00E+00	0.00E+00	2.48E-03	4.18E-05	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03
1131	ALL	residential	484930.6	3619425	NonCancer	2.48E-03	2.48E-03	7.82E-04	0.00E+00	0.00E+00	2.48E-03	4.17E-05	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03
1073	ALL	residential	484930.6	3619325	NonCancer	2.48E-03	2.48E-03	7.81E-04	0.00E+00	0.00E+00	2.48E-03	4.17E-05	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03
254	ALL	residential	484130.6	3617125	NonCancer	2.48E-03	2.48E-03	7.81E-04	0.00E+00	0.00E+00	2.48E-03	4.17E-05	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03
1186	ALL	residential	484930.6	3619525	NonCancer	2.48E-03	2.48E-03	7.81E-04	0.00E+00	0.00E+00	2.48E-03	4.17E-05	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03
1229	ALL	residential	485130.6	3619625	NonCancer	2.47E-03	2.47E-03	7.80E-04	0.00E+00	0.00E+00	2.47E-03	4.16E-05	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03
789	ALL	residential	486930.6	3618725	NonCancer	2.47E-03	2.47E-03	7.80E-04	0.00E+00	0.00E+00	2.47E-03	4.16E-05	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03
336	ALL	residential	484130.6	3617525	NonCancer	2.47E-03	2.47E-03	7.80E-04	0.00E+00	0.00E+00	2.47E-03	4.16E-05	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03
1230	ALL	residential	485230.6	3619625	NonCancer	2.47E-03	2.47E-03	7.80E-04	0.00E+00	0.00E+00	2.47E-03	4.16E-05	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03
1961	ALL	Worker	484900	3618600	NonCancer	2.47E-03	2.47E-03	7.79E-04	0.00E+00	0.00E+00	2.47E-03	4.16E-05	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03
614	ALL	residential	487130.6	3618225	NonCancer	2.46E-03	2.46E-03	7.76E-04	0.00E+00	0.00E+00	2.46E-03	4.14E-05	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-03
422	ALL	residential	487530.6	3617725	NonCancer	2.46E-03	2.46E-03	7.75E-04	0.00E+00	0.00E+00	2.46E-03	4.14E-05	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-03
752	ALL	residential	487030.6	3618625	NonCancer	2.45E-03	2.45E-03	7.73E-04	0.00E+00	0.00E+00	2.45E-03	4.13E-05	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-03
311	ALL	residential	484130.6	3617425	NonCancer	2.44E-03	2.44E-03	7.71E-04	0.00E+00	0.00E+00	2.44E-03	4.11E-05	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-03
715	ALL	residential	487130.6	3618525	NonCancer	2.44E-03	2.44E-03	7.71E-04	0.00E+00	0.00E+00	2.44E-03	4.11E-05	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-03
1233	ALL	residential	485530.6	3619625	NonCancer	2.44E-03	2.44E-03	7.69E-04	0.00E+00	0.00E+00	2.44E-03	4.11E-05	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-03
1877	ALL	Worker	486800	3617200	NonCancer	2.44E-03	2.44E-03	7.69E-04	0.00E+00	0.00E+00	2.44E-03	4.10E-05	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-03
681	ALL	residential	487230.6	3618425	NonCancer	2.44E-03	2.44E-03	7.69E-04	0.00E+00	0.00E+00	2.44E-03	4.10E-05	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-03
647	ALL	residential	487230.6	3618325	NonCancer	2.43E-03	2.43E-03	7.68E-04	0.00E+00	0.00E+00	2.43E-03	4.10E-05	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-03
582	ALL	residential	487430.6	3618125	NonCancer	2.43E-03	2.43E-03	7.67E-04	0.00E+00	0.00E+00	2.43E-03	4.09E-05	0.00E+00	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
921	ALL	residential	486630.6	3619025	NonCancer	2.43E-03	2.43E-03	7.67E-04	0.00E+00	0.00E+00	2.43E-03	4.09E-05	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-03
824	ALL	residential	486630.6	3618825	NonCancer	2.43E-03	2.43E-03	7.66E-04	0.00E+00	0.00E+00	2.43E-03	4.09E-05	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-03
464	ALL	school	487530.6	3617825	NonCancer	2.43E-03	2.43E-03	7.65E-04	0.00E+00	0.00E+00	2.43E-03	4.08E-05	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-03
410	ALL	residential	484230.6	3617725	NonCancer	2.42E-03	2.42E-03	7.64E-04	0.00E+00	0.00E+00	2.42E-03	4.08E-05	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-03
506	ALL	school	487530.6	3617925	NonCancer	2.42E-03	2.42E-03	7.64E-04	0.00E+00	0.00E+00	2.42E-03	4.08E-05	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-03
1228	ALL	residential	485030.6	3619625	NonCancer	2.42E-03	2.42E-03	7.63E-04	0.00E+00	0.00E+00	2.42E-03	4.07E-05	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-03
1970	ALL	Worker	484900	3618700	NonCancer	2.41E-03	2.41E-03	7.61E-04	0.00E+00	0.00E+00	2.41E-03	4.06E-05	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03
1234	ALL	residential	485630.6	3619625	NonCancer	2.41E-03	2.41E-03	7.60E-04	0.00E+00	0.00E+00	2.41E-03	4.06E-05	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03
1130	ALL	residential	484830.6	3619425	NonCancer	2.41E-03	2.41E-03	7.60E-04	0.00E+00	0.00E+00	2.41E-03	4.05E-05	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03
1197	ALL	residential	486030.6	3619525	NonCancer	2.41E-03	2.41E-03	7.59E-04	0.00E+00	0.00E+00	2.41E-03	4.05E-05	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03
1198	ALL	residential	486130.6	3619525	NonCancer	2.41E-03	2.41E-03	7.59E-04	0.00E+00	0.00E+00	2.41E-03	4.05E-05	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03
1235	ALL	residential	485730.6	3619625	NonCancer	2.40E-03	2.40E-03	7.57E-04	0.00E+00	0.00E+00	2.40E-03	4.04E-05	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-03
1014	ALL	residential	484830.6	3619225	NonCancer	2.39E-03	2.39E-03	7.55E-04	0.00E+00	0.00E+00	2.39E-03	4.03E-05	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03
1863	ALL	Worker	486800	3616900	NonCancer	2.39E-03	2.39E-03	7.55E-04	0.00E+00	0.00E+00	2.39E-03	4.03E-05	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03
1872	ALL	Worker	486800	3617100	NonCancer	2.39E-03	2.39E-03	7.55E-04	0.00E+00	0.00E+00	2.39E-03	4.03E-05	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03
920	ALL	residential	486530.6	3619025	NonCancer	2.39E-03	2.39E-03	7.55E-04	0.00E+00	0.00E+00	2.39E-03	4.03E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03
382	ALL	residential	487630.6	3617625	NonCancer	2.39E-03	2.39E-03	7.53E-04	0.00E+00	0.00E+00	2.39E-03	4.02E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03
774	ALL	recreationa	484930.6	3618725	NonCancer	2.39E-03	2.39E-03	7.53E-04	0.00E+00	0.00E+00	2.39E-03	4.02E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03
665	ALL	recreationa	484630.6	3618425	NonCancer	2.39E-03	2.39E-03	7.52E-04	0.00E+00	0.00E+00	2.39E-03	4.02E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03
1143	ALL	residential	486230.6	3619425	NonCancer	2.38E-03	2.38E-03	7.52E-04	0.00E+00	0.00E+00	2.38E-03	4.01E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03
1232	ALL	residential	485430.6	3619625	NonCancer	2.38E-03	2.38E-03	7.51E-04	0.00E+00	0.00E+00	2.38E-03	4.01E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03
545	ALL	school	487530.6	3618025	NonCancer	2.38E-03	2.38E-03	7.50E-04	0.00E+00	0.00E+00	2.38E-03	4.00E-05	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03
812	ALL	residential	485030.6	3618825	NonCancer	2.38E-03	2.38E-03	7.50E-04	0.00E+00	0.00E+00	2.38E-03	4.00E-05	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03
826	ALL	residential	486830.6	3618825	NonCancer	2.38E-03	2.38E-03	7.50E-04	0.00E+00	0.00E+00	2.38E-03	4.00E-05	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03
1195	ALL	residential	485830.6	3619525	NonCancer	2.38E-03	2.38E-03	7.49E-04	0.00E+00	0.00E+00	2.38E-03	4.00E-05	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03
1072	ALL	residential	484830.6	3619325	NonCancer	2.37E-03	2.37E-03	7.47E-04	0.00E+00	0.00E+00	2.37E-03	3.99E-05	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-03
292	ALL	residential	487030.6	3617325	NonCancer	2.37E-03	2.37E-03	7.47E-04	0.00E+00	0.00E+00	2.37E-03	3.99E-05	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-03
293	ALL	residential	487130.6	3617325	NonCancer	2.37E-03	2.37E-03	7.47E-04	0.00E+00	0.00E+00	2.37E-03	3.98E-05	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-03
1088	ALL	residential	486530.6	3619325	NonCancer	2.37E-03	2.37E-03	7.46E-04	0.00E+00	0.00E+00	2.37E-03	3.98E-05	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-03
1892	ALL	Worker	486900	3617400	NonCancer	2.36E-03	2.36E-03	7.46E-04	0.00E+00	0.00E+00	2.36E-03	3.98E-05	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-03
905	ALL	residential	484930.6	3619025	NonCancer	2.36E-03	2.36E-03	7.45E-04	0.00E+00	0.00E+00	2.36E-03	3.98E-05	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-03
146	ALL	school	487557.2	3617865	NonCancer	2.36E-03	2.36E-03	7.44E-04	0.00E+00	0.00E+00	2.36E-03	3.97E-05	0.00E+00	1.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-03
811	ALL	residential	484930.6	3618825	NonCancer	2.36E-03	2.36E-03	7.43E-04	0.00E+00	0.00E+00	2.36E-03	3.96E-05	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-03
716	ALL	residential	487230.6	3618525	NonCancer	2.35E-03	2.35E-03	7.43E-04	0.00E+00	0.00E+00	2.35E-03	3.96E-05	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-03
753	ALL	residential	487130.6	3618625	NonCancer	2.35E-03	2.35E-03	7.42E-04	0.00E+00	0.00E+00	2.35E-03	3.96E-05	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-03
321	ALL	residential	487430.6	3617425	NonCancer	2.35E-03	2.35E-03	7.40E-04	0.00E+00	0.00E+00	2.35E-03	3.95E-05	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-03
294	ALL	residential	487230.6	3617325	NonCancer	2.34E-03	2.34E-03	7.39E-04	0.00E+00	0.00E+00	2.34E-03	3.94E-05	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03
127	ALL	residential	487473.6	3617435	NonCancer	2.34E-03	2.34E-03	7.37E-04	0.00E+00	0.00E+00	2.34E-03	3.94E-05	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03
1227	ALL	residential	484930.6	3619625	NonCancer	2.33E-03	2.33E-03	7.36E-04	0.00E+00	0.00E+00	2.33E-03	3.93E-05	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03
453	ALL	residential	484230.6	3617825	NonCancer	2.33E-03	2.33E-03	7.36E-04	0.00E+00	0.00E+00	2.33E-03	3.93E-05	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03
827	ALL	residential	486930.6	3618825	NonCancer	2.33E-03	2.33E-03	7.36E-04	0.00E+00	0.00E+00	2.33E-03	3.93E-05	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03
1960	ALL	Worker	484800	3618600	NonCancer	2.33E-03	2.33E-03	7.35E-04	0.00E+00	0.00E+00	2.33E-03	3.92E-05	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03
1884	ALL	Worker	486900	3617300	NonCancer	2.33E-03	2.33E-03	7.35E-04	0.00E+00	0.00E+00	2.33E-03	3.92E-05	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03
616	ALL	residential	487330.6	3618225	NonCancer	2.33E-03	2.33E-03	7.35E-04	0.00E+00	0.00E+00	2.33E-03	3.92E-05	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03
1087	ALL	residential	486430.6	3619325	NonCancer	2.33E-03	2.33E-03	7.35E-04	0.00E+00	0.00E+00	2.33E-03	3.92E-05	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03
1013	ALL	residential	484730.6	3619225	NonCancer	2.33E-03	2.33E-03	7.34E-04	0.00E+00	0.00E+00	2.33E-03	3.92E-05	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03
974	ALL	residential	486530.6	3619125	NonCancer	2.32E-03	2.32E-03	7.32E-04	0.00E+00	0.00E+00	2.32E-03	3.91E-05	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-03
1270	ALL	residential	485130.6	3619725	NonCancer	2.32E-03	2.32E-03	7.32E-04	0.00E+00	0.00E+00	2.32E-03	3.91E-05	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-03
1272	ALL	residential	485330.6	3619725	NonCancer	2.32E-03	2.32E-03	7.32E-04	0.00E+00	0.00E+00	2.32E-03	3.90E-05	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-03
1237	ALL	residential	485930.6	3619625	NonCancer	2.32E-03	2.32E-03	7.31E-04	0.00E+00	0.00E+00	2.32E-03	3.90E-05	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-03
958	ALL	residential	484830.6	3619125	NonCancer	2.32E-03	2.32E-03	7.30E-04	0.00E+00	0.00E+00	2.32E-03	3.90E-05	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
295	ALL	residential	487330.6	3617325	NonCancer	2.31E-03	2.31E-03	7.30E-04	0.00E+00	0.00E+00	2.31E-03	3.90E-05	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03
1271	ALL	residential	485230.6	3619725	NonCancer	2.31E-03	2.31E-03	7.30E-04	0.00E+00	0.00E+00	2.31E-03	3.89E-05	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03
423	ALL	residential	487630.6	3617725	NonCancer	2.31E-03	2.31E-03	7.30E-04	0.00E+00	0.00E+00	2.31E-03	3.89E-05	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03
1185	ALL	residential	484830.6	3619525	NonCancer	2.31E-03	2.31E-03	7.29E-04	0.00E+00	0.00E+00	2.31E-03	3.89E-05	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03
790	ALL	residential	487030.6	3618725	NonCancer	2.31E-03	2.31E-03	7.29E-04	0.00E+00	0.00E+00	2.31E-03	3.89E-05	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03
852	ALL	residential	484930.6	3618925	NonCancer	2.31E-03	2.31E-03	7.28E-04	0.00E+00	0.00E+00	2.31E-03	3.88E-05	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03
465	ALL	school	487630.6	3617825	NonCancer	2.31E-03	2.31E-03	7.27E-04	0.00E+00	0.00E+00	2.31E-03	3.88E-05	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03
107	ALL	residential	487474.3	3617382	NonCancer	2.30E-03	2.30E-03	7.27E-04	0.00E+00	0.00E+00	2.30E-03	3.88E-05	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03
615	ALL	residential	487230.6	3618225	NonCancer	2.30E-03	2.30E-03	7.27E-04	0.00E+00	0.00E+00	2.30E-03	3.88E-05	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03
617	ALL	residential	487430.6	3618225	NonCancer	2.30E-03	2.30E-03	7.27E-04	0.00E+00	0.00E+00	2.30E-03	3.88E-05	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03
124	ALL	residential	487474.3	3617419	NonCancer	2.30E-03	2.30E-03	7.27E-04	0.00E+00	0.00E+00	2.30E-03	3.88E-05	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03
266	ALL	residential	484030.6	3617225	NonCancer	2.30E-03	2.30E-03	7.26E-04	0.00E+00	0.00E+00	2.30E-03	3.88E-05	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03
285	ALL	residential	484030.6	3617325	NonCancer	2.30E-03	2.30E-03	7.26E-04	0.00E+00	0.00E+00	2.30E-03	3.87E-05	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03
1274	ALL	residential	485530.6	3619725	NonCancer	2.30E-03	2.30E-03	7.26E-04	0.00E+00	0.00E+00	2.30E-03	3.87E-05	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03
117	ALL	residential	487474.3	3617400	NonCancer	2.30E-03	2.30E-03	7.25E-04	0.00E+00	0.00E+00	2.30E-03	3.87E-05	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03
699	ALL	recreationa	484630.6	3618525	NonCancer	2.30E-03	2.30E-03	7.25E-04	0.00E+00	0.00E+00	2.30E-03	3.87E-05	0.00E+00	1.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03
1129	ALL	residential	484730.6	3619425	NonCancer	2.30E-03	2.30E-03	7.24E-04	0.00E+00	0.00E+00	2.30E-03	3.86E-05	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03
125	ALL	residential	487492.8	3617419	NonCancer	2.29E-03	2.29E-03	7.23E-04	0.00E+00	0.00E+00	2.29E-03	3.86E-05	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03
736	ALL	recreationa	484830.6	3618625	NonCancer	2.29E-03	2.29E-03	7.23E-04	0.00E+00	0.00E+00	2.29E-03	3.86E-05	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03
335	ALL	residential	484030.6	3617525	NonCancer	2.29E-03	2.29E-03	7.22E-04	0.00E+00	0.00E+00	2.29E-03	3.85E-05	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03
1269	ALL	residential	485030.6	3619725	NonCancer	2.29E-03	2.29E-03	7.21E-04	0.00E+00	0.00E+00	2.29E-03	3.85E-05	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03
108	ALL	residential	487492.8	3617382	NonCancer	2.29E-03	2.29E-03	7.21E-04	0.00E+00	0.00E+00	2.29E-03	3.85E-05	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03
1878	ALL	Worker	486900	3617200	NonCancer	2.29E-03	2.29E-03	7.21E-04	0.00E+00	0.00E+00	2.29E-03	3.85E-05	0.00E+00	1.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03
922	ALL	residential	486730.6	3619025	NonCancer	2.28E-03	2.28E-03	7.20E-04	0.00E+00	0.00E+00	2.28E-03	3.84E-05	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03
546	ALL	school	487630.6	3618025	NonCancer	2.28E-03	2.28E-03	7.19E-04	0.00E+00	0.00E+00	2.28E-03	3.83E-05	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03
97	ALL	residential	487474.3	3617363	NonCancer	2.28E-03	2.28E-03	7.18E-04	0.00E+00	0.00E+00	2.28E-03	3.83E-05	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03
507	ALL	school	487630.6	3617925	NonCancer	2.28E-03	2.28E-03	7.18E-04	0.00E+00	0.00E+00	2.28E-03	3.83E-05	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03
1239	ALL	residential	486130.6	3619625	NonCancer	2.28E-03	2.28E-03	7.18E-04	0.00E+00	0.00E+00	2.28E-03	3.83E-05	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03
126	ALL	residential	487511.3	3617419	NonCancer	2.27E-03	2.27E-03	7.17E-04	0.00E+00	0.00E+00	2.27E-03	3.83E-05	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03
118	ALL	residential	487492.8	3617400	NonCancer	2.27E-03	2.27E-03	7.17E-04	0.00E+00	0.00E+00	2.27E-03	3.83E-05	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03
1868	ALL	Worker	486900	3617000	NonCancer	2.27E-03	2.27E-03	7.17E-04	0.00E+00	0.00E+00	2.27E-03	3.82E-05	0.00E+00	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03
1276	ALL	residential	485730.6	3619725	NonCancer	2.27E-03	2.27E-03	7.16E-04	0.00E+00	0.00E+00	2.27E-03	3.82E-05	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03
1030	ALL	residential	486530.6	3619225	NonCancer	2.27E-03	2.27E-03	7.16E-04	0.00E+00	0.00E+00	2.27E-03	3.82E-05	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03
1275	ALL	residential	485630.6	3619725	NonCancer	2.27E-03	2.27E-03	7.15E-04	0.00E+00	0.00E+00	2.27E-03	3.81E-05	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03
383	ALL	residential	487730.6	3617625	NonCancer	2.27E-03	2.27E-03	7.15E-04	0.00E+00	0.00E+00	2.27E-03	3.81E-05	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03
682	ALL	residential	487330.6	3618425	NonCancer	2.26E-03	2.26E-03	7.15E-04	0.00E+00	0.00E+00	2.26E-03	3.81E-05	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03
98	ALL	residential	487492.8	3617363	NonCancer	2.26E-03	2.26E-03	7.14E-04	0.00E+00	0.00E+00	2.26E-03	3.81E-05	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03
1273	ALL	residential	485430.6	3619725	NonCancer	2.26E-03	2.26E-03	7.13E-04	0.00E+00	0.00E+00	2.26E-03	3.81E-05	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03
1864	ALL	Worker	486900	3616900	NonCancer	2.26E-03	2.26E-03	7.13E-04	0.00E+00	0.00E+00	2.26E-03	3.81E-05	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03
904	ALL	residential	484830.6	3619025	NonCancer	2.26E-03	2.26E-03	7.13E-04	0.00E+00	0.00E+00	2.26E-03	3.80E-05	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03
369	ALL	residential	484030.6	3617625	NonCancer	2.26E-03	2.26E-03	7.12E-04	0.00E+00	0.00E+00	2.26E-03	3.80E-05	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03
583	ALL	school	487530.6	3618125	NonCancer	2.26E-03	2.26E-03	7.12E-04	0.00E+00	0.00E+00	2.26E-03	3.80E-05	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03
109	ALL	residential	487511.3	3617382	NonCancer	2.26E-03	2.26E-03	7.11E-04	0.00E+00	0.00E+00	2.26E-03	3.80E-05	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03
147	ALL	school	487680.7	3617783	NonCancer	2.25E-03	2.25E-03	7.11E-04	0.00E+00	0.00E+00	2.25E-03	3.80E-05	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03
735	ALL	recreationa	484730.6	3618625	NonCancer	2.25E-03	2.25E-03	7.10E-04	0.00E+00	0.00E+00	2.25E-03	3.79E-05	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03
1145	ALL	residential	486430.6	3619425	NonCancer	2.25E-03	2.25E-03	7.10E-04	0.00E+00	0.00E+00	2.25E-03	3.79E-05	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03
1268	ALL	residential	484930.6	3619725	NonCancer	2.25E-03	2.25E-03	7.09E-04	0.00E+00	0.00E+00	2.25E-03	3.78E-05	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03
1873	ALL	Worker	486900	3617100	NonCancer	2.25E-03	2.25E-03	7.09E-04	0.00E+00	0.00E+00	2.25E-03	3.78E-05	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03
791	ALL	residential	487130.6	3618725	NonCancer	2.25E-03	2.25E-03	7.09E-04	0.00E+00	0.00E+00	2.25E-03	3.78E-05	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03
99	ALL	residential	487511.3	3617363	NonCancer	2.24E-03	2.24E-03	7.07E-04	0.00E+00	0.00E+00	2.24E-03	3.77E-05	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-03
310	ALL	residential	484030.6	3617425	NonCancer	2.24E-03	2.24E-03	7.07E-04	0.00E+00	0.00E+00	2.24E-03	3.77E-05	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
119	ALL	residential	487511.3	3617400	NonCancer	2.24E-03	2.24E-03	7.06E-04	0.00E+00	0.00E+00	2.24E-03	3.77E-05	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-03
1979	ALL	Worker	484900	3618800	NonCancer	2.24E-03	2.24E-03	7.05E-04	0.00E+00	0.00E+00	2.24E-03	3.76E-05	0.00E+00	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-03
1184	ALL	residential	484730.6	3619525	NonCancer	2.23E-03	2.23E-03	7.05E-04	0.00E+00	0.00E+00	2.23E-03	3.76E-05	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03
81	ALL	residential	487479.5	3617347	NonCancer	2.23E-03	2.23E-03	7.03E-04	0.00E+00	0.00E+00	2.23E-03	3.75E-05	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03
1308	ALL	residential	485030.6	3619825	NonCancer	2.22E-03	2.22E-03	7.01E-04	0.00E+00	0.00E+00	2.22E-03	3.74E-05	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03
409	ALL	residential	484130.6	3617725	NonCancer	2.22E-03	2.22E-03	7.00E-04	0.00E+00	0.00E+00	2.22E-03	3.74E-05	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03
1071	ALL	residential	484730.6	3619325	NonCancer	2.22E-03	2.22E-03	7.00E-04	0.00E+00	0.00E+00	2.22E-03	3.74E-05	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03
717	ALL	residential	487330.6	3618525	NonCancer	2.22E-03	2.22E-03	7.00E-04	0.00E+00	0.00E+00	2.22E-03	3.74E-05	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03
346	ALL	residential	487630.6	3617525	NonCancer	2.22E-03	2.22E-03	6.99E-04	0.00E+00	0.00E+00	2.22E-03	3.73E-05	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03
1128	ALL	residential	484630.6	3619425	NonCancer	2.22E-03	2.22E-03	6.99E-04	0.00E+00	0.00E+00	2.22E-03	3.73E-05	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03
110	ALL	residential	487529.8	3617382	NonCancer	2.21E-03	2.21E-03	6.99E-04	0.00E+00	0.00E+00	2.21E-03	3.73E-05	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03
975	ALL	residential	486630.6	3619125	NonCancer	2.21E-03	2.21E-03	6.98E-04	0.00E+00	0.00E+00	2.21E-03	3.72E-05	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03
82	ALL	residential	487504.5	3617347	NonCancer	2.21E-03	2.21E-03	6.98E-04	0.00E+00	0.00E+00	2.21E-03	3.72E-05	0.00E+00	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03
120	ALL	residential	487529.8	3617400	NonCancer	2.21E-03	2.21E-03	6.96E-04	0.00E+00	0.00E+00	2.21E-03	3.72E-05	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03
100	ALL	residential	487529.8	3617363	NonCancer	2.21E-03	2.21E-03	6.96E-04	0.00E+00	0.00E+00	2.21E-03	3.71E-05	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03
1238	ALL	residential	486030.6	3619625	NonCancer	2.21E-03	2.21E-03	6.96E-04	0.00E+00	0.00E+00	2.21E-03	3.71E-05	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03
296	ALL	residential	487430.6	3617325	NonCancer	2.21E-03	2.21E-03	6.96E-04	0.00E+00	0.00E+00	2.21E-03	3.71E-05	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03
1309	ALL	residential	485130.6	3619825	NonCancer	2.21E-03	2.21E-03	6.96E-04	0.00E+00	0.00E+00	2.21E-03	3.71E-05	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03
1236	ALL	residential	485830.6	3619625	NonCancer	2.20E-03	2.20E-03	6.95E-04	0.00E+00	0.00E+00	2.20E-03	3.71E-05	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-03
868	ALL	residential	486830.6	3618925	NonCancer	2.20E-03	2.20E-03	6.94E-04	0.00E+00	0.00E+00	2.20E-03	3.70E-05	0.00E+00	1.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-03
584	ALL	school	487630.6	3618125	NonCancer	2.19E-03	2.19E-03	6.92E-04	0.00E+00	0.00E+00	2.19E-03	3.69E-05	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03
618	ALL	residential	487530.6	3618225	NonCancer	2.19E-03	2.19E-03	6.91E-04	0.00E+00	0.00E+00	2.19E-03	3.69E-05	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03
466	ALL	school	487730.6	3617825	NonCancer	2.19E-03	2.19E-03	6.91E-04	0.00E+00	0.00E+00	2.19E-03	3.69E-05	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03
547	ALL	school	487730.6	3618025	NonCancer	2.19E-03	2.19E-03	6.91E-04	0.00E+00	0.00E+00	2.19E-03	3.69E-05	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03
424	ALL	residential	487730.6	3617725	NonCancer	2.19E-03	2.19E-03	6.91E-04	0.00E+00	0.00E+00	2.19E-03	3.69E-05	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03
1307	ALL	residential	484930.6	3619825	NonCancer	2.19E-03	2.19E-03	6.91E-04	0.00E+00	0.00E+00	2.19E-03	3.69E-05	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03
1311	ALL	residential	485330.6	3619825	NonCancer	2.19E-03	2.19E-03	6.90E-04	0.00E+00	0.00E+00	2.19E-03	3.68E-05	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03
1226	ALL	residential	484830.6	3619625	NonCancer	2.19E-03	2.19E-03	6.90E-04	0.00E+00	0.00E+00	2.19E-03	3.68E-05	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03
508	ALL	school	487730.6	3617925	NonCancer	2.19E-03	2.19E-03	6.90E-04	0.00E+00	0.00E+00	2.19E-03	3.68E-05	0.00E+00	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03
1310	ALL	residential	485230.6	3619825	NonCancer	2.18E-03	2.18E-03	6.88E-04	0.00E+00	0.00E+00	2.18E-03	3.67E-05	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03
121	ALL	residential	487548.3	3617400	NonCancer	2.18E-03	2.18E-03	6.88E-04	0.00E+00	0.00E+00	2.18E-03	3.67E-05	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03
334	ALL	residential	483930.6	3617525	NonCancer	2.18E-03	2.18E-03	6.87E-04	0.00E+00	0.00E+00	2.18E-03	3.67E-05	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03
1278	ALL	residential	485930.6	3619725	NonCancer	2.18E-03	2.18E-03	6.87E-04	0.00E+00	0.00E+00	2.18E-03	3.67E-05	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03
1313	ALL	residential	485530.6	3619825	NonCancer	2.18E-03	2.18E-03	6.87E-04	0.00E+00	0.00E+00	2.18E-03	3.67E-05	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03
83	ALL	residential	487529.5	3617347	NonCancer	2.18E-03	2.18E-03	6.87E-04	0.00E+00	0.00E+00	2.18E-03	3.67E-05	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03
1860	ALL	Worker	486700	3616600	NonCancer	2.18E-03	2.18E-03	6.86E-04	0.00E+00	0.00E+00	2.18E-03	3.66E-05	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03
111	ALL	residential	487548.3	3617382	NonCancer	2.17E-03	2.17E-03	6.86E-04	0.00E+00	0.00E+00	2.17E-03	3.66E-05	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
101	ALL	residential	487548.3	3617363	NonCancer	2.17E-03	2.17E-03	6.86E-04	0.00E+00	0.00E+00	2.17E-03	3.66E-05	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
65	ALL	residential	487479.5	3617328	NonCancer	2.17E-03	2.17E-03	6.85E-04	0.00E+00	0.00E+00	2.17E-03	3.66E-05	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
773	ALL	recreationa	484830.6	3618725	NonCancer	2.17E-03	2.17E-03	6.85E-04	0.00E+00	0.00E+00	2.17E-03	3.66E-05	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
1279	ALL	residential	486030.6	3619725	NonCancer	2.17E-03	2.17E-03	6.85E-04	0.00E+00	0.00E+00	2.17E-03	3.65E-05	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
1225	ALL	residential	484730.6	3619625	NonCancer	2.17E-03	2.17E-03	6.85E-04	0.00E+00	0.00E+00	2.17E-03	3.65E-05	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
867	ALL	residential	486730.6	3618925	NonCancer	2.17E-03	2.17E-03	6.84E-04	0.00E+00	0.00E+00	2.17E-03	3.65E-05	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
754	ALL	residential	487230.6	3618625	NonCancer	2.17E-03	2.17E-03	6.84E-04	0.00E+00	0.00E+00	2.17E-03	3.65E-05	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
274	ALL	residential	487330.6	3617225	NonCancer	2.17E-03	2.17E-03	6.83E-04	0.00E+00	0.00E+00	2.17E-03	3.65E-05	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
828	ALL	residential	487030.6	3618825	NonCancer	2.16E-03	2.16E-03	6.83E-04	0.00E+00	0.00E+00	2.16E-03	3.64E-05	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03
810	ALL	residential	484830.6	3618825	NonCancer	2.16E-03	2.16E-03	6.82E-04	0.00E+00	0.00E+00	2.16E-03	3.64E-05	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03
1267	ALL	residential	484830.6	3619725	NonCancer	2.16E-03	2.16E-03	6.82E-04	0.00E+00	0.00E+00	2.16E-03	3.64E-05	0.00E+00	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03
452	ALL	residential	484130.6	3617825	NonCancer	2.16E-03	2.16E-03	6.80E-04	0.00E+00	0.00E+00	2.16E-03	3.63E-05	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03
1969	ALL	Worker	484800	3618700	NonCancer	2.15E-03	2.15E-03	6.79E-04	0.00E+00	0.00E+00	2.15E-03	3.62E-05	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03
122	ALL	residential	487566.8	3617400	NonCancer	2.15E-03	2.15E-03	6.79E-04	0.00E+00	0.00E+00	2.15E-03	3.62E-05	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
648	ALL	residential	487330.6	3618325	NonCancer	2.15E-03	2.15E-03	6.79E-04	0.00E+00	0.00E+00	2.15E-03	3.62E-05	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03
585	ALL	school	487730.6	3618125	NonCancer	2.15E-03	2.15E-03	6.79E-04	0.00E+00	0.00E+00	2.15E-03	3.62E-05	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03
1070	ALL	residential	484630.6	3619325	NonCancer	2.15E-03	2.15E-03	6.79E-04	0.00E+00	0.00E+00	2.15E-03	3.62E-05	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03
976	ALL	residential	486730.6	3619125	NonCancer	2.15E-03	2.15E-03	6.78E-04	0.00E+00	0.00E+00	2.15E-03	3.62E-05	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03
66	ALL	residential	487504.5	3617328	NonCancer	2.15E-03	2.15E-03	6.78E-04	0.00E+00	0.00E+00	2.15E-03	3.62E-05	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03
273	ALL	residential	487230.6	3617225	NonCancer	2.15E-03	2.15E-03	6.78E-04	0.00E+00	0.00E+00	2.15E-03	3.62E-05	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03
1312	ALL	residential	485430.6	3619825	NonCancer	2.15E-03	2.15E-03	6.78E-04	0.00E+00	0.00E+00	2.15E-03	3.62E-05	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03
1314	ALL	residential	485630.6	3619825	NonCancer	2.15E-03	2.15E-03	6.77E-04	0.00E+00	0.00E+00	2.15E-03	3.61E-05	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03
755	ALL	residential	487330.6	3618625	NonCancer	2.15E-03	2.15E-03	6.77E-04	0.00E+00	0.00E+00	2.15E-03	3.61E-05	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03
1315	ALL	residential	485730.6	3619825	NonCancer	2.14E-03	2.14E-03	6.76E-04	0.00E+00	0.00E+00	2.14E-03	3.61E-05	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03
84	ALL	residential	487554.5	3617347	NonCancer	2.14E-03	2.14E-03	6.76E-04	0.00E+00	0.00E+00	2.14E-03	3.61E-05	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03
683	ALL	residential	487430.6	3618425	NonCancer	2.14E-03	2.14E-03	6.76E-04	0.00E+00	0.00E+00	2.14E-03	3.61E-05	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03
734	ALL	recreationa	484630.6	3618625	NonCancer	2.14E-03	2.14E-03	6.75E-04	0.00E+00	0.00E+00	2.14E-03	3.60E-05	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03
102	ALL	residential	487566.8	3617363	NonCancer	2.14E-03	2.14E-03	6.75E-04	0.00E+00	0.00E+00	2.14E-03	3.60E-05	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03
1146	ALL	residential	486530.6	3619425	NonCancer	2.13E-03	2.13E-03	6.73E-04	0.00E+00	0.00E+00	2.13E-03	3.59E-05	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03
1350	ALL	residential	485030.6	3619925	NonCancer	2.13E-03	2.13E-03	6.73E-04	0.00E+00	0.00E+00	2.13E-03	3.59E-05	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03
112	ALL	residential	487566.8	3617382	NonCancer	2.13E-03	2.13E-03	6.73E-04	0.00E+00	0.00E+00	2.13E-03	3.59E-05	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03
384	ALL	residential	487830.6	3617625	NonCancer	2.13E-03	2.13E-03	6.73E-04	0.00E+00	0.00E+00	2.13E-03	3.59E-05	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03
869	ALL	residential	486930.6	3618925	NonCancer	2.13E-03	2.13E-03	6.71E-04	0.00E+00	0.00E+00	2.13E-03	3.58E-05	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03
123	ALL	residential	487585.3	3617400	NonCancer	2.13E-03	2.13E-03	6.71E-04	0.00E+00	0.00E+00	2.13E-03	3.58E-05	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03
333	ALL	residential	483830.6	3617525	NonCancer	2.13E-03	2.13E-03	6.70E-04	0.00E+00	0.00E+00	2.13E-03	3.58E-05	0.00E+00	1.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03
1127	ALL	residential	484530.6	3619425	NonCancer	2.12E-03	2.12E-03	6.70E-04	0.00E+00	0.00E+00	2.12E-03	3.57E-05	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03
49	ALL	residential	487479.5	3617309	NonCancer	2.12E-03	2.12E-03	6.70E-04	0.00E+00	0.00E+00	2.12E-03	3.57E-05	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03
792	ALL	residential	487230.6	3618725	NonCancer	2.12E-03	2.12E-03	6.70E-04	0.00E+00	0.00E+00	2.12E-03	3.57E-05	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03
494	ALL	residential	484130.6	3617925	NonCancer	2.12E-03	2.12E-03	6.69E-04	0.00E+00	0.00E+00	2.12E-03	3.57E-05	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03
284	ALL	residential	483930.6	3617325	NonCancer	2.12E-03	2.12E-03	6.69E-04	0.00E+00	0.00E+00	2.12E-03	3.57E-05	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03
67	ALL	residential	487529.5	3617328	NonCancer	2.12E-03	2.12E-03	6.68E-04	0.00E+00	0.00E+00	2.12E-03	3.57E-05	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03
1306	ALL	residential	484830.6	3619825	NonCancer	2.11E-03	2.11E-03	6.66E-04	0.00E+00	0.00E+00	2.11E-03	3.56E-05	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03
1978	ALL	Worker	484800	3618800	NonCancer	2.11E-03	2.11E-03	6.66E-04	0.00E+00	0.00E+00	2.11E-03	3.55E-05	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03
698	ALL	recreationa	484530.6	3618525	NonCancer	2.11E-03	2.11E-03	6.66E-04	0.00E+00	0.00E+00	2.11E-03	3.55E-05	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03
957	ALL	residential	484730.6	3619125	NonCancer	2.11E-03	2.11E-03	6.65E-04	0.00E+00	0.00E+00	2.11E-03	3.55E-05	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03
1861	ALL	Worker	486800	3616600	NonCancer	2.11E-03	2.11E-03	6.65E-04	0.00E+00	0.00E+00	2.11E-03	3.55E-05	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03
103	ALL	residential	487585.3	3617363	NonCancer	2.11E-03	2.11E-03	6.64E-04	0.00E+00	0.00E+00	2.11E-03	3.55E-05	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03
85	ALL	residential	487579.5	3617347	NonCancer	2.10E-03	2.10E-03	6.64E-04	0.00E+00	0.00E+00	2.10E-03	3.54E-05	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03
718	ALL	residential	487430.6	3618525	NonCancer	2.10E-03	2.10E-03	6.63E-04	0.00E+00	0.00E+00	2.10E-03	3.54E-05	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03
548	ALL	school	487830.6	3618025	NonCancer	2.10E-03	2.10E-03	6.63E-04	0.00E+00	0.00E+00	2.10E-03	3.54E-05	0.00E+00	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03
50	ALL	residential	487504.5	3617309	NonCancer	2.10E-03	2.10E-03	6.62E-04	0.00E+00	0.00E+00	2.10E-03	3.53E-05	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03
1277	ALL	residential	485830.6	3619725	NonCancer	2.10E-03	2.10E-03	6.62E-04	0.00E+00	0.00E+00	2.10E-03	3.53E-05	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03
113	ALL	residential	487585.3	3617382	NonCancer	2.10E-03	2.10E-03	6.62E-04	0.00E+00	0.00E+00	2.10E-03	3.53E-05	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03
347	ALL	residential	487730.6	3617525	NonCancer	2.10E-03	2.10E-03	6.62E-04	0.00E+00	0.00E+00	2.10E-03	3.53E-05	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03
68	ALL	residential	487554.5	3617328	NonCancer	2.09E-03	2.09E-03	6.61E-04	0.00E+00	0.00E+00	2.09E-03	3.53E-05	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03
1349	ALL	residential	484930.6	3619925	NonCancer	2.09E-03	2.09E-03	6.60E-04	0.00E+00	0.00E+00	2.09E-03	3.52E-05	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03
1224	ALL	residential	484630.6	3619625	NonCancer	2.09E-03	2.09E-03	6.59E-04	0.00E+00	0.00E+00	2.09E-03	3.52E-05	0.00E+00	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03
509	ALL	school	487830.6	3617925	NonCancer	2.09E-03	2.09E-03	6.59E-04	0.00E+00	0.00E+00	2.09E-03	3.52E-05	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03
309	ALL	residential	483930.6	3617425	NonCancer	2.09E-03	2.09E-03	6.59E-04	0.00E+00	0.00E+00	2.09E-03	3.51E-05	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03
33	ALL	residential	487479.5	3617289	NonCancer	2.09E-03	2.09E-03	6.58E-04	0.00E+00	0.00E+00	2.09E-03	3.51E-05	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03
425	ALL	residential	487830.6	3617725	NonCancer	2.08E-03	2.08E-03	6.58E-04	0.00E+00	0.00E+00	2.08E-03	3.51E-05	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03
1351	ALL	residential	485130.6	3619925	NonCancer	2.08E-03	2.08E-03	6.57E-04	0.00E+00	0.00E+00	2.08E-03	3.51E-05	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03
851	ALL	residential	484830.6	3618925	NonCancer	2.08E-03	2.08E-03	6.57E-04	0.00E+00	0.00E+00	2.08E-03	3.51E-05	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03
586	ALL	school	487830.6	3618125	NonCancer	2.08E-03	2.08E-03	6.56E-04	0.00E+00	0.00E+00	2.08E-03	3.50E-05	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03
467	ALL	school	487830.6	3617825	NonCancer	2.08E-03	2.08E-03	6.56E-04	0.00E+00	0.00E+00	2.08E-03	3.50E-05	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
104	ALL	residential	487603.8	3617363	NonCancer	2.08E-03	2.08E-03	6.56E-04	0.00E+00	0.00E+00	2.08E-03	3.50E-05	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03
1147	ALL	residential	486630.6	3619425	NonCancer	2.08E-03	2.08E-03	6.55E-04	0.00E+00	0.00E+00	2.08E-03	3.50E-05	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03
51	ALL	residential	487529.5	3617309	NonCancer	2.08E-03	2.08E-03	6.55E-04	0.00E+00	0.00E+00	2.08E-03	3.49E-05	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03
114	ALL	residential	487603.8	3617382	NonCancer	2.07E-03	2.07E-03	6.54E-04	0.00E+00	0.00E+00	2.07E-03	3.49E-05	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03
86	ALL	residential	487604.5	3617347	NonCancer	2.07E-03	2.07E-03	6.54E-04	0.00E+00	0.00E+00	2.07E-03	3.49E-05	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03
1012	ALL	residential	484630.6	3619225	NonCancer	2.07E-03	2.07E-03	6.54E-04	0.00E+00	0.00E+00	2.07E-03	3.49E-05	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03
1987	ALL	Worker	484800	3618900	NonCancer	2.07E-03	2.07E-03	6.53E-04	0.00E+00	0.00E+00	2.07E-03	3.48E-05	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03
1353	ALL	residential	485330.6	3619925	NonCancer	2.07E-03	2.07E-03	6.53E-04	0.00E+00	0.00E+00	2.07E-03	3.48E-05	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03
69	ALL	residential	487579.5	3617328	NonCancer	2.07E-03	2.07E-03	6.53E-04	0.00E+00	0.00E+00	2.07E-03	3.48E-05	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03
619	ALL	residential	487630.6	3618225	NonCancer	2.07E-03	2.07E-03	6.53E-04	0.00E+00	0.00E+00	2.07E-03	3.48E-05	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03
148	ALL	school	487845.5	3617783	NonCancer	2.07E-03	2.07E-03	6.52E-04	0.00E+00	0.00E+00	2.07E-03	3.48E-05	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03
1318	ALL	residential	486030.6	3619825	NonCancer	2.06E-03	2.06E-03	6.51E-04	0.00E+00	0.00E+00	2.06E-03	3.48E-05	0.00E+00	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03
1266	ALL	residential	484730.6	3619725	NonCancer	2.06E-03	2.06E-03	6.51E-04	0.00E+00	0.00E+00	2.06E-03	3.47E-05	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03
1182	ALL	residential	484530.6	3619525	NonCancer	2.06E-03	2.06E-03	6.50E-04	0.00E+00	0.00E+00	2.06E-03	3.47E-05	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03
34	ALL	residential	487504.5	3617289	NonCancer	2.06E-03	2.06E-03	6.49E-04	0.00E+00	0.00E+00	2.06E-03	3.47E-05	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03
115	ALL	residential	487622.3	3617382	NonCancer	2.06E-03	2.06E-03	6.49E-04	0.00E+00	0.00E+00	2.06E-03	3.46E-05	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03
1968	ALL	Worker	484700	3618700	NonCancer	2.05E-03	2.05E-03	6.48E-04	0.00E+00	0.00E+00	2.05E-03	3.46E-05	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03
17	ALL	residential	487479.5	3617270	NonCancer	2.05E-03	2.05E-03	6.48E-04	0.00E+00	0.00E+00	2.05E-03	3.46E-05	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03
1355	ALL	residential	485530.6	3619925	NonCancer	2.05E-03	2.05E-03	6.47E-04	0.00E+00	0.00E+00	2.05E-03	3.45E-05	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03
793	ALL	residential	487330.6	3618725	NonCancer	2.05E-03	2.05E-03	6.47E-04	0.00E+00	0.00E+00	2.05E-03	3.45E-05	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03
105	ALL	residential	487622.3	3617363	NonCancer	2.05E-03	2.05E-03	6.47E-04	0.00E+00	0.00E+00	2.05E-03	3.45E-05	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03
52	ALL	residential	487554.5	3617309	NonCancer	2.05E-03	2.05E-03	6.47E-04	0.00E+00	0.00E+00	2.05E-03	3.45E-05	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03
275	ALL	residential	487430.6	3617225	NonCancer	2.05E-03	2.05E-03	6.46E-04	0.00E+00	0.00E+00	2.05E-03	3.45E-05	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03
70	ALL	residential	487604.5	3617328	NonCancer	2.05E-03	2.05E-03	6.45E-04	0.00E+00	0.00E+00	2.05E-03	3.44E-05	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03
1356	ALL	residential	485630.6	3619925	NonCancer	2.04E-03	2.04E-03	6.45E-04	0.00E+00	0.00E+00	2.04E-03	3.44E-05	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03
87	ALL	residential	487629.5	3617347	NonCancer	2.04E-03	2.04E-03	6.44E-04	0.00E+00	0.00E+00	2.04E-03	3.43E-05	0.00E+00	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03
116	ALL	residential	487640.8	3617382	NonCancer	2.04E-03	2.04E-03	6.43E-04	0.00E+00	0.00E+00	2.04E-03	3.43E-05	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03
1183	ALL	residential	484630.6	3619525	NonCancer	2.04E-03	2.04E-03	6.43E-04	0.00E+00	0.00E+00	2.04E-03	3.43E-05	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03
870	ALL	residential	487030.6	3618925	NonCancer	2.04E-03	2.04E-03	6.43E-04	0.00E+00	0.00E+00	2.04E-03	3.43E-05	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03
1354	ALL	residential	485430.6	3619925	NonCancer	2.04E-03	2.04E-03	6.43E-04	0.00E+00	0.00E+00	2.04E-03	3.43E-05	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03
756	ALL	residential	487430.6	3618625	NonCancer	2.04E-03	2.04E-03	6.43E-04	0.00E+00	0.00E+00	2.04E-03	3.43E-05	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03
308	ALL	residential	483830.6	3617425	NonCancer	2.04E-03	2.04E-03	6.42E-04	0.00E+00	0.00E+00	2.04E-03	3.43E-05	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03
408	ALL	residential	484030.6	3617725	NonCancer	2.03E-03	2.03E-03	6.41E-04	0.00E+00	0.00E+00	2.03E-03	3.42E-05	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03
1352	ALL	residential	485230.6	3619925	NonCancer	2.03E-03	2.03E-03	6.40E-04	0.00E+00	0.00E+00	2.03E-03	3.42E-05	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03
18	ALL	residential	487504.5	3617270	NonCancer	2.03E-03	2.03E-03	6.40E-04	0.00E+00	0.00E+00	2.03E-03	3.42E-05	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03
1069	ALL	residential	484530.6	3619325	NonCancer	2.03E-03	2.03E-03	6.40E-04	0.00E+00	0.00E+00	2.03E-03	3.42E-05	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03
1357	ALL	residential	485730.6	3619925	NonCancer	2.03E-03	2.03E-03	6.40E-04	0.00E+00	0.00E+00	2.03E-03	3.41E-05	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03
35	ALL	residential	487529.5	3617289	NonCancer	2.03E-03	2.03E-03	6.39E-04	0.00E+00	0.00E+00	2.03E-03	3.41E-05	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03
549	ALL	residential	487930.6	3618025	NonCancer	2.02E-03	2.02E-03	6.39E-04	0.00E+00	0.00E+00	2.02E-03	3.41E-05	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03
1089	ALL	residential	486630.6	3619325	NonCancer	2.02E-03	2.02E-03	6.39E-04	0.00E+00	0.00E+00	2.02E-03	3.41E-05	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03
719	ALL	residential	487530.6	3618525	NonCancer	2.02E-03	2.02E-03	6.38E-04	0.00E+00	0.00E+00	2.02E-03	3.41E-05	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03
772	ALL	recreationa	484730.6	3618725	NonCancer	2.02E-03	2.02E-03	6.38E-04	0.00E+00	0.00E+00	2.02E-03	3.41E-05	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03
106	ALL	residential	487640.8	3617363	NonCancer	2.02E-03	2.02E-03	6.38E-04	0.00E+00	0.00E+00	2.02E-03	3.40E-05	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03
53	ALL	residential	487579.5	3617309	NonCancer	2.02E-03	2.02E-03	6.37E-04	0.00E+00	0.00E+00	2.02E-03	3.40E-05	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03
71	ALL	residential	487629.5	3617328	NonCancer	2.02E-03	2.02E-03	6.37E-04	0.00E+00	0.00E+00	2.02E-03	3.40E-05	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03
1317	ALL	residential	485930.6	3619825	NonCancer	2.02E-03	2.02E-03	6.36E-04	0.00E+00	0.00E+00	2.02E-03	3.39E-05	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03
1	ALL	residential	487479.5	3617251	NonCancer	2.01E-03	2.01E-03	6.36E-04	0.00E+00	0.00E+00	2.01E-03	3.39E-05	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03
1031	ALL	residential	486630.6	3619225	NonCancer	2.01E-03	2.01E-03	6.36E-04	0.00E+00	0.00E+00	2.01E-03	3.39E-05	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03
1394	ALL	residential	485030.6	3620025	NonCancer	2.01E-03	2.01E-03	6.35E-04	0.00E+00	0.00E+00	2.01E-03	3.39E-05	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03
620	ALL	residential	487730.6	3618225	NonCancer	2.01E-03	2.01E-03	6.35E-04	0.00E+00	0.00E+00	2.01E-03	3.39E-05	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03
1265	ALL	residential	484630.6	3619725	NonCancer	2.01E-03	2.01E-03	6.33E-04	0.00E+00	0.00E+00	2.01E-03	3.38E-05	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
88	ALL	residential	487654.5	3617347	NonCancer	2.01E-03	2.01E-03	6.33E-04	0.00E+00	0.00E+00	2.01E-03	3.38E-05	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03
1316	ALL	residential	485830.6	3619825	NonCancer	2.00E-03	2.00E-03	6.33E-04	0.00E+00	0.00E+00	2.00E-03	3.38E-05	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03
587	ALL	residential	487930.6	3618125	NonCancer	2.00E-03	2.00E-03	6.32E-04	0.00E+00	0.00E+00	2.00E-03	3.38E-05	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03
451	ALL	residential	484030.6	3617825	NonCancer	2.00E-03	2.00E-03	6.32E-04	0.00E+00	0.00E+00	2.00E-03	3.37E-05	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03
128	ALL	residential	487656.4	3617366	NonCancer	2.00E-03	2.00E-03	6.32E-04	0.00E+00	0.00E+00	2.00E-03	3.37E-05	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03
19	ALL	residential	487529.5	3617270	NonCancer	2.00E-03	2.00E-03	6.32E-04	0.00E+00	0.00E+00	2.00E-03	3.37E-05	0.00E+00	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03
36	ALL	residential	487554.5	3617289	NonCancer	2.00E-03	2.00E-03	6.32E-04	0.00E+00	0.00E+00	2.00E-03	3.37E-05	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03
830	ALL	residential	487230.6	3618825	NonCancer	2.00E-03	2.00E-03	6.32E-04	0.00E+00	0.00E+00	2.00E-03	3.37E-05	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03
1862	ALL	Worker	486900	3616600	NonCancer	2.00E-03	2.00E-03	6.32E-04	0.00E+00	0.00E+00	2.00E-03	3.37E-05	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03
829	ALL	residential	487130.6	3618825	NonCancer	2.00E-03	2.00E-03	6.32E-04	0.00E+00	0.00E+00	2.00E-03	3.37E-05	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03
385	ALL	residential	487930.6	3617625	NonCancer	2.00E-03	2.00E-03	6.31E-04	0.00E+00	0.00E+00	2.00E-03	3.37E-05	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03
54	ALL	residential	487604.5	3617309	NonCancer	2.00E-03	2.00E-03	6.30E-04	0.00E+00	0.00E+00	2.00E-03	3.36E-05	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03
510	ALL	residential	487930.6	3617925	NonCancer	1.99E-03	1.99E-03	6.29E-04	0.00E+00	0.00E+00	1.99E-03	3.36E-05	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03
72	ALL	residential	487654.5	3617328	NonCancer	1.99E-03	1.99E-03	6.29E-04	0.00E+00	0.00E+00	1.99E-03	3.35E-05	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03
368	ALL	residential	483930.6	3617625	NonCancer	1.99E-03	1.99E-03	6.28E-04	0.00E+00	0.00E+00	1.99E-03	3.35E-05	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03
1348	ALL	residential	484830.6	3619925	NonCancer	1.99E-03	1.99E-03	6.28E-04	0.00E+00	0.00E+00	1.99E-03	3.35E-05	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03
2	ALL	residential	487504.5	3617251	NonCancer	1.99E-03	1.99E-03	6.27E-04	0.00E+00	0.00E+00	1.99E-03	3.35E-05	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03
332	ALL	residential	483730.6	3617525	NonCancer	1.99E-03	1.99E-03	6.27E-04	0.00E+00	0.00E+00	1.99E-03	3.35E-05	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03
771	ALL	recreationa	484630.6	3618725	NonCancer	1.98E-03	1.98E-03	6.26E-04	0.00E+00	0.00E+00	1.98E-03	3.34E-05	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03
37	ALL	residential	487579.5	3617289	NonCancer	1.98E-03	1.98E-03	6.26E-04	0.00E+00	0.00E+00	1.98E-03	3.34E-05	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03
1181	ALL	residential	484430.6	3619525	NonCancer	1.98E-03	1.98E-03	6.26E-04	0.00E+00	0.00E+00	1.98E-03	3.34E-05	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03
1032	ALL	residential	486730.6	3619225	NonCancer	1.98E-03	1.98E-03	6.26E-04	0.00E+00	0.00E+00	1.98E-03	3.34E-05	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03
684	ALL	residential	487530.6	3618425	NonCancer	1.98E-03	1.98E-03	6.25E-04	0.00E+00	0.00E+00	1.98E-03	3.34E-05	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03
977	ALL	residential	486830.6	3619125	NonCancer	1.98E-03	1.98E-03	6.25E-04	0.00E+00	0.00E+00	1.98E-03	3.33E-05	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03
283	ALL	residential	483830.6	3617325	NonCancer	1.98E-03	1.98E-03	6.24E-04	0.00E+00	0.00E+00	1.98E-03	3.33E-05	0.00E+00	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03
468	ALL	residential	487930.6	3617825	NonCancer	1.98E-03	1.98E-03	6.24E-04	0.00E+00	0.00E+00	1.98E-03	3.33E-05	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03
55	ALL	residential	487629.5	3617309	NonCancer	1.98E-03	1.98E-03	6.23E-04	0.00E+00	0.00E+00	1.98E-03	3.33E-05	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03
493	ALL	residential	484030.6	3617925	NonCancer	1.97E-03	1.97E-03	6.23E-04	0.00E+00	0.00E+00	1.97E-03	3.32E-05	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03
1397	ALL	residential	485330.6	3620025	NonCancer	1.97E-03	1.97E-03	6.23E-04	0.00E+00	0.00E+00	1.97E-03	3.32E-05	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03
20	ALL	residential	487554.5	3617270	NonCancer	1.97E-03	1.97E-03	6.23E-04	0.00E+00	0.00E+00	1.97E-03	3.32E-05	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03
348	ALL	residential	487830.6	3617525	NonCancer	1.97E-03	1.97E-03	6.22E-04	0.00E+00	0.00E+00	1.97E-03	3.32E-05	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03
89	ALL	residential	487679.5	3617347	NonCancer	1.97E-03	1.97E-03	6.22E-04	0.00E+00	0.00E+00	1.97E-03	3.32E-05	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03
426	ALL	residential	487930.6	3617725	NonCancer	1.97E-03	1.97E-03	6.21E-04	0.00E+00	0.00E+00	1.97E-03	3.31E-05	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03
757	ALL	residential	487530.6	3618625	NonCancer	1.97E-03	1.97E-03	6.21E-04	0.00E+00	0.00E+00	1.97E-03	3.31E-05	0.00E+00	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03
871	ALL	residential	487130.6	3618925	NonCancer	1.96E-03	1.96E-03	6.20E-04	0.00E+00	0.00E+00	1.96E-03	3.31E-05	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03
73	ALL	residential	487679.5	3617328	NonCancer	1.96E-03	1.96E-03	6.20E-04	0.00E+00	0.00E+00	1.96E-03	3.31E-05	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03
3	ALL	residential	487529.5	3617251	NonCancer	1.96E-03	1.96E-03	6.19E-04	0.00E+00	0.00E+00	1.96E-03	3.31E-05	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03
38	ALL	residential	487604.5	3617289	NonCancer	1.96E-03	1.96E-03	6.19E-04	0.00E+00	0.00E+00	1.96E-03	3.30E-05	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03
850	ALL	residential	484730.6	3618925	NonCancer	1.96E-03	1.96E-03	6.18E-04	0.00E+00	0.00E+00	1.96E-03	3.30E-05	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03
56	ALL	residential	487654.5	3617309	NonCancer	1.96E-03	1.96E-03	6.17E-04	0.00E+00	0.00E+00	1.96E-03	3.29E-05	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03
1395	ALL	residential	485130.6	3620025	NonCancer	1.96E-03	1.96E-03	6.17E-04	0.00E+00	0.00E+00	1.96E-03	3.29E-05	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03
1223	ALL	residential	484530.6	3619625	NonCancer	1.95E-03	1.95E-03	6.15E-04	0.00E+00	0.00E+00	1.95E-03	3.28E-05	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03
924	ALL	residential	486930.6	3619025	NonCancer	1.95E-03	1.95E-03	6.14E-04	0.00E+00	0.00E+00	1.95E-03	3.28E-05	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03
21	ALL	residential	487579.5	3617270	NonCancer	1.94E-03	1.94E-03	6.13E-04	0.00E+00	0.00E+00	1.94E-03	3.27E-05	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03
4	ALL	residential	487554.5	3617251	NonCancer	1.94E-03	1.94E-03	6.13E-04	0.00E+00	0.00E+00	1.94E-03	3.27E-05	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03
550	ALL	residential	488030.6	3618025	NonCancer	1.94E-03	1.94E-03	6.12E-04	0.00E+00	0.00E+00	1.94E-03	3.27E-05	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03
533	ALL	residential	483930.6	3618025	NonCancer	1.94E-03	1.94E-03	6.12E-04	0.00E+00	0.00E+00	1.94E-03	3.27E-05	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03
39	ALL	residential	487629.5	3617289	NonCancer	1.94E-03	1.94E-03	6.12E-04	0.00E+00	0.00E+00	1.94E-03	3.26E-05	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03
90	ALL	residential	487704.5	3617347	NonCancer	1.94E-03	1.94E-03	6.11E-04	0.00E+00	0.00E+00	1.94E-03	3.26E-05	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03
903	ALL	residential	484730.6	3619025	NonCancer	1.94E-03	1.94E-03	6.11E-04	0.00E+00	0.00E+00	1.94E-03	3.26E-05	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03
57	ALL	residential	487679.5	3617309	NonCancer	1.94E-03	1.94E-03	6.11E-04	0.00E+00	0.00E+00	1.94E-03	3.26E-05	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
74	ALL	residential	487704.5	3617328	NonCancer	1.93E-03	1.93E-03	6.10E-04	0.00E+00	0.00E+00	1.93E-03	3.25E-05	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03
733	ALL	recreationa	484433.8	3618609	NonCancer	1.93E-03	1.93E-03	6.10E-04	0.00E+00	0.00E+00	1.93E-03	3.25E-05	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03
1393	ALL	residential	484930.6	3620025	NonCancer	1.93E-03	1.93E-03	6.10E-04	0.00E+00	0.00E+00	1.93E-03	3.25E-05	0.00E+00	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03
1398	ALL	residential	485430.6	3620025	NonCancer	1.93E-03	1.93E-03	6.09E-04	0.00E+00	0.00E+00	1.93E-03	3.25E-05	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03
831	ALL	residential	487330.6	3618825	NonCancer	1.93E-03	1.93E-03	6.08E-04	0.00E+00	0.00E+00	1.93E-03	3.24E-05	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03
1392	ALL	residential	484830.6	3620025	NonCancer	1.92E-03	1.92E-03	6.07E-04	0.00E+00	0.00E+00	1.92E-03	3.24E-05	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
649	ALL	residential	487430.6	3618325	NonCancer	1.92E-03	1.92E-03	6.07E-04	0.00E+00	0.00E+00	1.92E-03	3.24E-05	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
923	ALL	residential	486830.6	3619025	NonCancer	1.92E-03	1.92E-03	6.07E-04	0.00E+00	0.00E+00	1.92E-03	3.24E-05	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
1399	ALL	residential	485530.6	3620025	NonCancer	1.92E-03	1.92E-03	6.06E-04	0.00E+00	0.00E+00	1.92E-03	3.24E-05	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
1360	ALL	residential	486030.6	3619925	NonCancer	1.92E-03	1.92E-03	6.06E-04	0.00E+00	0.00E+00	1.92E-03	3.23E-05	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
795	ALL	residential	487530.6	3618725	NonCancer	1.92E-03	1.92E-03	6.06E-04	0.00E+00	0.00E+00	1.92E-03	3.23E-05	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
5	ALL	residential	487579.5	3617251	NonCancer	1.92E-03	1.92E-03	6.06E-04	0.00E+00	0.00E+00	1.92E-03	3.23E-05	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
621	ALL	residential	487830.6	3618225	NonCancer	1.92E-03	1.92E-03	6.06E-04	0.00E+00	0.00E+00	1.92E-03	3.23E-05	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
1305	ALL	residential	484730.6	3619825	NonCancer	1.92E-03	1.92E-03	6.05E-04	0.00E+00	0.00E+00	1.92E-03	3.23E-05	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
40	ALL	residential	487654.5	3617289	NonCancer	1.92E-03	1.92E-03	6.04E-04	0.00E+00	0.00E+00	1.92E-03	3.23E-05	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
22	ALL	residential	487604.5	3617270	NonCancer	1.92E-03	1.92E-03	6.04E-04	0.00E+00	0.00E+00	1.92E-03	3.22E-05	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
1396	ALL	residential	485230.6	3620025	NonCancer	1.92E-03	1.92E-03	6.04E-04	0.00E+00	0.00E+00	1.92E-03	3.23E-05	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
809	ALL	recreationa	484730.6	3618825	NonCancer	1.91E-03	1.91E-03	6.04E-04	0.00E+00	0.00E+00	1.91E-03	3.22E-05	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03
58	ALL	residential	487704.5	3617309	NonCancer	1.91E-03	1.91E-03	6.03E-04	0.00E+00	0.00E+00	1.91E-03	3.22E-05	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03
1400	ALL	residential	485630.6	3620025	NonCancer	1.91E-03	1.91E-03	6.02E-04	0.00E+00	0.00E+00	1.91E-03	3.21E-05	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03
91	ALL	residential	487729.5	3617347	NonCancer	1.91E-03	1.91E-03	6.02E-04	0.00E+00	0.00E+00	1.91E-03	3.21E-05	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03
1033	ALL	residential	486830.6	3619225	NonCancer	1.91E-03	1.91E-03	6.02E-04	0.00E+00	0.00E+00	1.91E-03	3.21E-05	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03
588	ALL	residential	488030.6	3618125	NonCancer	1.91E-03	1.91E-03	6.02E-04	0.00E+00	0.00E+00	1.91E-03	3.21E-05	0.00E+00	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03
1977	ALL	Worker	484700	3618800	NonCancer	1.90E-03	1.90E-03	6.01E-04	0.00E+00	0.00E+00	1.90E-03	3.21E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
307	ALL	residential	483730.6	3617425	NonCancer	1.90E-03	1.90E-03	6.00E-04	0.00E+00	0.00E+00	1.90E-03	3.20E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
75	ALL	residential	487729.5	3617328	NonCancer	1.90E-03	1.90E-03	6.00E-04	0.00E+00	0.00E+00	1.90E-03	3.20E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
1304	ALL	residential	484630.6	3619825	NonCancer	1.90E-03	1.90E-03	6.00E-04	0.00E+00	0.00E+00	1.90E-03	3.20E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
1358	ALL	residential	485830.6	3619925	NonCancer	1.90E-03	1.90E-03	6.00E-04	0.00E+00	0.00E+00	1.90E-03	3.20E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
1126	ALL	residential	484430.6	3619425	NonCancer	1.90E-03	1.90E-03	5.99E-04	0.00E+00	0.00E+00	1.90E-03	3.20E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
1443	ALL	residential	485330.6	3620125	NonCancer	1.90E-03	1.90E-03	5.99E-04	0.00E+00	0.00E+00	1.90E-03	3.20E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
925	ALL	residential	487030.6	3619025	NonCancer	1.90E-03	1.90E-03	5.99E-04	0.00E+00	0.00E+00	1.90E-03	3.19E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
23	ALL	residential	487629.5	3617270	NonCancer	1.90E-03	1.90E-03	5.98E-04	0.00E+00	0.00E+00	1.90E-03	3.19E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
41	ALL	residential	487679.5	3617289	NonCancer	1.90E-03	1.90E-03	5.98E-04	0.00E+00	0.00E+00	1.90E-03	3.19E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
407	ALL	residential	483930.6	3617725	NonCancer	1.90E-03	1.90E-03	5.98E-04	0.00E+00	0.00E+00	1.90E-03	3.19E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
1222	ALL	residential	484430.6	3619625	NonCancer	1.90E-03	1.90E-03	5.98E-04	0.00E+00	0.00E+00	1.90E-03	3.19E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
6	ALL	residential	487604.5	3617251	NonCancer	1.89E-03	1.89E-03	5.98E-04	0.00E+00	0.00E+00	1.89E-03	3.19E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03
1401	ALL	residential	485730.6	3620025	NonCancer	1.89E-03	1.89E-03	5.98E-04	0.00E+00	0.00E+00	1.89E-03	3.19E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03
1347	ALL	residential	484730.6	3619925	NonCancer	1.89E-03	1.89E-03	5.97E-04	0.00E+00	0.00E+00	1.89E-03	3.19E-05	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03
511	ALL	residential	488030.6	3617925	NonCancer	1.89E-03	1.89E-03	5.97E-04	0.00E+00	0.00E+00	1.89E-03	3.19E-05	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03
1440	ALL	residential	485030.6	3620125	NonCancer	1.89E-03	1.89E-03	5.97E-04	0.00E+00	0.00E+00	1.89E-03	3.19E-05	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03
832	ALL	residential	487430.6	3618825	NonCancer	1.89E-03	1.89E-03	5.95E-04	0.00E+00	0.00E+00	1.89E-03	3.18E-05	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03
59	ALL	residential	487729.5	3617309	NonCancer	1.89E-03	1.89E-03	5.95E-04	0.00E+00	0.00E+00	1.89E-03	3.17E-05	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03
720	ALL	residential	487630.6	3618525	NonCancer	1.88E-03	1.88E-03	5.94E-04	0.00E+00	0.00E+00	1.88E-03	3.17E-05	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03
651	ALL	residential	487630.6	3618325	NonCancer	1.88E-03	1.88E-03	5.94E-04	0.00E+00	0.00E+00	1.88E-03	3.17E-05	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03
92	ALL	residential	487754.5	3617347	NonCancer	1.88E-03	1.88E-03	5.93E-04	0.00E+00	0.00E+00	1.88E-03	3.17E-05	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03
652	ALL	residential	487730.6	3618325	NonCancer	1.88E-03	1.88E-03	5.93E-04	0.00E+00	0.00E+00	1.88E-03	3.16E-05	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03
24	ALL	residential	487654.5	3617270	NonCancer	1.88E-03	1.88E-03	5.92E-04	0.00E+00	0.00E+00	1.88E-03	3.16E-05	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03
450	ALL	residential	483930.6	3617825	NonCancer	1.87E-03	1.87E-03	5.91E-04	0.00E+00	0.00E+00	1.87E-03	3.15E-05	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
42	ALL	residential	487704.5	3617289	NonCancer	1.87E-03	1.87E-03	5.91E-04	0.00E+00	0.00E+00	1.87E-03	3.15E-05	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
1986	ALL	Worker	484700	3618900	NonCancer	1.87E-03	1.87E-03	5.90E-04	0.00E+00	0.00E+00	1.87E-03	3.15E-05	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
349	ALL	residential	487930.6	3617525	NonCancer	1.87E-03	1.87E-03	5.90E-04	0.00E+00	0.00E+00	1.87E-03	3.15E-05	0.00E+00	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
76	ALL	residential	487754.5	3617328	NonCancer	1.87E-03	1.87E-03	5.90E-04	0.00E+00	0.00E+00	1.87E-03	3.15E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
1439	ALL	residential	484930.6	3620125	NonCancer	1.87E-03	1.87E-03	5.89E-04	0.00E+00	0.00E+00	1.87E-03	3.15E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
1441	ALL	residential	485130.6	3620125	NonCancer	1.87E-03	1.87E-03	5.89E-04	0.00E+00	0.00E+00	1.87E-03	3.14E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
794	ALL	residential	487430.6	3618725	NonCancer	1.87E-03	1.87E-03	5.89E-04	0.00E+00	0.00E+00	1.87E-03	3.14E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
469	ALL	residential	488030.6	3617825	NonCancer	1.87E-03	1.87E-03	5.89E-04	0.00E+00	0.00E+00	1.87E-03	3.14E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
7	ALL	residential	487629.5	3617251	NonCancer	1.87E-03	1.87E-03	5.88E-04	0.00E+00	0.00E+00	1.87E-03	3.14E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
1303	ALL	residential	484530.6	3619825	NonCancer	1.87E-03	1.87E-03	5.88E-04	0.00E+00	0.00E+00	1.87E-03	3.14E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
1438	ALL	residential	484830.6	3620125	NonCancer	1.86E-03	1.86E-03	5.87E-04	0.00E+00	0.00E+00	1.86E-03	3.13E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03
386	ALL	residential	488030.6	3617625	NonCancer	1.86E-03	1.86E-03	5.87E-04	0.00E+00	0.00E+00	1.86E-03	3.13E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03
1359	ALL	residential	485930.6	3619925	NonCancer	1.86E-03	1.86E-03	5.87E-04	0.00E+00	0.00E+00	1.86E-03	3.13E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03
60	ALL	residential	487754.5	3617309	NonCancer	1.86E-03	1.86E-03	5.87E-04	0.00E+00	0.00E+00	1.86E-03	3.13E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03
1391	ALL	residential	484730.6	3620025	NonCancer	1.86E-03	1.86E-03	5.87E-04	0.00E+00	0.00E+00	1.86E-03	3.13E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03
93	ALL	residential	487779.5	3617347	NonCancer	1.86E-03	1.86E-03	5.86E-04	0.00E+00	0.00E+00	1.86E-03	3.13E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03
25	ALL	residential	487679.5	3617270	NonCancer	1.86E-03	1.86E-03	5.86E-04	0.00E+00	0.00E+00	1.86E-03	3.13E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03
1442	ALL	residential	485230.6	3620125	NonCancer	1.86E-03	1.86E-03	5.86E-04	0.00E+00	0.00E+00	1.86E-03	3.13E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03
367	ALL	residential	483830.6	3617625	NonCancer	1.85E-03	1.85E-03	5.85E-04	0.00E+00	0.00E+00	1.85E-03	3.12E-05	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03
758	ALL	residential	487630.6	3618625	NonCancer	1.85E-03	1.85E-03	5.84E-04	0.00E+00	0.00E+00	1.85E-03	3.12E-05	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03
43	ALL	residential	487729.5	3617289	NonCancer	1.85E-03	1.85E-03	5.84E-04	0.00E+00	0.00E+00	1.85E-03	3.12E-05	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03
492	ALL	residential	483930.6	3617925	NonCancer	1.85E-03	1.85E-03	5.84E-04	0.00E+00	0.00E+00	1.85E-03	3.12E-05	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03
427	ALL	residential	488030.6	3617725	NonCancer	1.85E-03	1.85E-03	5.83E-04	0.00E+00	0.00E+00	1.85E-03	3.11E-05	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03
551	ALL	residential	488130.6	3618025	NonCancer	1.84E-03	1.84E-03	5.82E-04	0.00E+00	0.00E+00	1.84E-03	3.11E-05	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03
77	ALL	residential	487779.5	3617328	NonCancer	1.84E-03	1.84E-03	5.81E-04	0.00E+00	0.00E+00	1.84E-03	3.10E-05	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03
94	ALL	residential	487804.5	3617347	NonCancer	1.84E-03	1.84E-03	5.80E-04	0.00E+00	0.00E+00	1.84E-03	3.09E-05	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03
26	ALL	residential	487704.5	3617270	NonCancer	1.84E-03	1.84E-03	5.79E-04	0.00E+00	0.00E+00	1.84E-03	3.09E-05	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03
532	ALL	residential	483830.6	3618025	NonCancer	1.84E-03	1.84E-03	5.79E-04	0.00E+00	0.00E+00	1.84E-03	3.09E-05	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03
650	ALL	residential	487530.6	3618325	NonCancer	1.84E-03	1.84E-03	5.79E-04	0.00E+00	0.00E+00	1.84E-03	3.09E-05	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03
8	ALL	residential	487654.5	3617251	NonCancer	1.84E-03	1.84E-03	5.79E-04	0.00E+00	0.00E+00	1.84E-03	3.09E-05	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03
61	ALL	residential	487779.5	3617309	NonCancer	1.83E-03	1.83E-03	5.78E-04	0.00E+00	0.00E+00	1.83E-03	3.08E-05	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03
44	ALL	residential	487754.5	3617289	NonCancer	1.83E-03	1.83E-03	5.78E-04	0.00E+00	0.00E+00	1.83E-03	3.08E-05	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03
1346	ALL	residential	484630.6	3619925	NonCancer	1.83E-03	1.83E-03	5.76E-04	0.00E+00	0.00E+00	1.83E-03	3.08E-05	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03
622	ALL	residential	487930.6	3618225	NonCancer	1.82E-03	1.82E-03	5.76E-04	0.00E+00	0.00E+00	1.82E-03	3.07E-05	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03
1485	ALL	residential	485030.6	3620225	NonCancer	1.82E-03	1.82E-03	5.75E-04	0.00E+00	0.00E+00	1.82E-03	3.07E-05	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03
1976	ALL	Worker	484600	3618800	NonCancer	1.82E-03	1.82E-03	5.75E-04	0.00E+00	0.00E+00	1.82E-03	3.07E-05	0.00E+00	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03
1444	ALL	residential	485430.6	3620125	NonCancer	1.82E-03	1.82E-03	5.74E-04	0.00E+00	0.00E+00	1.82E-03	3.06E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03
808	ALL	recreationa	484630.6	3618825	NonCancer	1.82E-03	1.82E-03	5.74E-04	0.00E+00	0.00E+00	1.82E-03	3.06E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03
27	ALL	residential	487729.5	3617270	NonCancer	1.82E-03	1.82E-03	5.73E-04	0.00E+00	0.00E+00	1.82E-03	3.06E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03
95	ALL	residential	487829.5	3617347	NonCancer	1.82E-03	1.82E-03	5.73E-04	0.00E+00	0.00E+00	1.82E-03	3.06E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03
796	ALL	residential	487630.6	3618725	NonCancer	1.82E-03	1.82E-03	5.73E-04	0.00E+00	0.00E+00	1.82E-03	3.06E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03
1437	ALL	residential	484730.6	3620125	NonCancer	1.82E-03	1.82E-03	5.73E-04	0.00E+00	0.00E+00	1.82E-03	3.06E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03
78	ALL	residential	487804.5	3617328	NonCancer	1.82E-03	1.82E-03	5.73E-04	0.00E+00	0.00E+00	1.82E-03	3.06E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03
1264	ALL	residential	484530.6	3619725	NonCancer	1.81E-03	1.81E-03	5.72E-04	0.00E+00	0.00E+00	1.81E-03	3.05E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03
589	ALL	residential	488130.6	3618125	NonCancer	1.81E-03	1.81E-03	5.72E-04	0.00E+00	0.00E+00	1.81E-03	3.05E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03
1488	ALL	residential	485330.6	3620225	NonCancer	1.81E-03	1.81E-03	5.72E-04	0.00E+00	0.00E+00	1.81E-03	3.05E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03
926	ALL	residential	487130.6	3619025	NonCancer	1.81E-03	1.81E-03	5.72E-04	0.00E+00	0.00E+00	1.81E-03	3.05E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03
833	ALL	residential	487530.6	3618825	NonCancer	1.81E-03	1.81E-03	5.72E-04	0.00E+00	0.00E+00	1.81E-03	3.05E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03
1484	ALL	residential	484930.6	3620225	NonCancer	1.81E-03	1.81E-03	5.72E-04	0.00E+00	0.00E+00	1.81E-03	3.05E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03
9	ALL	residential	487679.5	3617251	NonCancer	1.81E-03	1.81E-03	5.71E-04	0.00E+00	0.00E+00	1.81E-03	3.05E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03
653	ALL	residential	487830.6	3618325	NonCancer	1.81E-03	1.81E-03	5.71E-04	0.00E+00	0.00E+00	1.81E-03	3.05E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03
872	ALL	residential	487230.6	3618925	NonCancer	1.81E-03	1.81E-03	5.71E-04	0.00E+00	0.00E+00	1.81E-03	3.05E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03
45	ALL	residential	487779.5	3617289	NonCancer	1.81E-03	1.81E-03	5.71E-04	0.00E+00	0.00E+00	1.81E-03	3.05E-05	0.00E+00	1.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03
759	ALL	residential	487730.6	3618625	NonCancer	1.81E-03	1.81E-03	5.70E-04	0.00E+00	0.00E+00	1.81E-03	3.04E-05	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
1263	ALL	residential	484430.6	3619725	NonCancer	1.81E-03	1.81E-03	5.70E-04	0.00E+00	0.00E+00	1.81E-03	3.04E-05	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03
1445	ALL	residential	485530.6	3620125	NonCancer	1.80E-03	1.80E-03	5.69E-04	0.00E+00	0.00E+00	1.80E-03	3.04E-05	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
331	ALL	residential	483630.6	3617525	NonCancer	1.80E-03	1.80E-03	5.69E-04	0.00E+00	0.00E+00	1.80E-03	3.04E-05	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
62	ALL	residential	487804.5	3617309	NonCancer	1.80E-03	1.80E-03	5.69E-04	0.00E+00	0.00E+00	1.80E-03	3.03E-05	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
306	ALL	residential	483630.6	3617425	NonCancer	1.80E-03	1.80E-03	5.68E-04	0.00E+00	0.00E+00	1.80E-03	3.03E-05	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
1345	ALL	residential	484530.6	3619925	NonCancer	1.80E-03	1.80E-03	5.68E-04	0.00E+00	0.00E+00	1.80E-03	3.03E-05	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
1483	ALL	residential	484830.6	3620225	NonCancer	1.80E-03	1.80E-03	5.68E-04	0.00E+00	0.00E+00	1.80E-03	3.03E-05	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
28	ALL	residential	487754.5	3617270	NonCancer	1.80E-03	1.80E-03	5.67E-04	0.00E+00	0.00E+00	1.80E-03	3.02E-05	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
721	ALL	residential	487730.6	3618525	NonCancer	1.80E-03	1.80E-03	5.67E-04	0.00E+00	0.00E+00	1.80E-03	3.02E-05	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
1487	ALL	residential	485230.6	3620225	NonCancer	1.79E-03	1.79E-03	5.66E-04	0.00E+00	0.00E+00	1.79E-03	3.02E-05	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
10	ALL	residential	487704.5	3617251	NonCancer	1.79E-03	1.79E-03	5.66E-04	0.00E+00	0.00E+00	1.79E-03	3.02E-05	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
96	ALL	residential	487854.5	3617347	NonCancer	1.79E-03	1.79E-03	5.66E-04	0.00E+00	0.00E+00	1.79E-03	3.02E-05	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
79	ALL	residential	487829.5	3617328	NonCancer	1.79E-03	1.79E-03	5.65E-04	0.00E+00	0.00E+00	1.79E-03	3.01E-05	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
1486	ALL	residential	485130.6	3620225	NonCancer	1.79E-03	1.79E-03	5.64E-04	0.00E+00	0.00E+00	1.79E-03	3.01E-05	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
46	ALL	residential	487804.5	3617289	NonCancer	1.79E-03	1.79E-03	5.63E-04	0.00E+00	0.00E+00	1.79E-03	3.01E-05	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
956	ALL	residential	484630.6	3619125	NonCancer	1.79E-03	1.79E-03	5.63E-04	0.00E+00	0.00E+00	1.79E-03	3.00E-05	0.00E+00	1.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
512	ALL	school	488130.6	3617925	NonCancer	1.78E-03	1.78E-03	5.63E-04	0.00E+00	0.00E+00	1.78E-03	3.00E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03
1221	ALL	residential	484330.6	3619625	NonCancer	1.78E-03	1.78E-03	5.62E-04	0.00E+00	0.00E+00	1.78E-03	3.00E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03
167	ALL	residential	485230.6	3615825	NonCancer	1.78E-03	1.78E-03	5.61E-04	0.00E+00	0.00E+00	1.78E-03	3.00E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03
406	ALL	residential	483830.6	3617725	NonCancer	1.78E-03	1.78E-03	5.61E-04	0.00E+00	0.00E+00	1.78E-03	3.00E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03
350	ALL	residential	488030.6	3617525	NonCancer	1.78E-03	1.78E-03	5.61E-04	0.00E+00	0.00E+00	1.78E-03	2.99E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03
1402	ALL	residential	485830.6	3620025	NonCancer	1.78E-03	1.78E-03	5.61E-04	0.00E+00	0.00E+00	1.78E-03	2.99E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03
11	ALL	residential	487729.5	3617251	NonCancer	1.78E-03	1.78E-03	5.60E-04	0.00E+00	0.00E+00	1.78E-03	2.99E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03
732	ALL	recreationa	484329.5	3618645	NonCancer	1.78E-03	1.78E-03	5.60E-04	0.00E+00	0.00E+00	1.78E-03	2.99E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03
29	ALL	residential	487779.5	3617270	NonCancer	1.78E-03	1.78E-03	5.60E-04	0.00E+00	0.00E+00	1.78E-03	2.99E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03
902	ALL	residential	484630.6	3619025	NonCancer	1.78E-03	1.78E-03	5.60E-04	0.00E+00	0.00E+00	1.78E-03	2.99E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03
1148	ALL	residential	486730.6	3619425	NonCancer	1.77E-03	1.77E-03	5.60E-04	0.00E+00	0.00E+00	1.77E-03	2.99E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
685	ALL	residential	487630.6	3618425	NonCancer	1.77E-03	1.77E-03	5.60E-04	0.00E+00	0.00E+00	1.77E-03	2.99E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
1091	ALL	residential	486830.6	3619325	NonCancer	1.77E-03	1.77E-03	5.60E-04	0.00E+00	0.00E+00	1.77E-03	2.99E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
63	ALL	residential	487829.5	3617309	NonCancer	1.77E-03	1.77E-03	5.59E-04	0.00E+00	0.00E+00	1.77E-03	2.98E-05	0.00E+00	1.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
1404	ALL	residential	486030.6	3620025	NonCancer	1.77E-03	1.77E-03	5.59E-04	0.00E+00	0.00E+00	1.77E-03	2.98E-05	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
873	ALL	residential	487330.6	3618925	NonCancer	1.77E-03	1.77E-03	5.58E-04	0.00E+00	0.00E+00	1.77E-03	2.98E-05	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
807	ALL	recreationa	484530.6	3618825	NonCancer	1.77E-03	1.77E-03	5.58E-04	0.00E+00	0.00E+00	1.77E-03	2.98E-05	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
80	ALL	residential	487854.5	3617328	NonCancer	1.77E-03	1.77E-03	5.57E-04	0.00E+00	0.00E+00	1.77E-03	2.97E-05	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
1446	ALL	residential	485630.6	3620125	NonCancer	1.76E-03	1.76E-03	5.57E-04	0.00E+00	0.00E+00	1.76E-03	2.97E-05	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
1011	ALL	residential	484530.6	3619225	NonCancer	1.76E-03	1.76E-03	5.56E-04	0.00E+00	0.00E+00	1.76E-03	2.97E-05	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
47	ALL	residential	487829.5	3617289	NonCancer	1.76E-03	1.76E-03	5.56E-04	0.00E+00	0.00E+00	1.76E-03	2.97E-05	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
470	ALL	school	488130.6	3617825	NonCancer	1.76E-03	1.76E-03	5.56E-04	0.00E+00	0.00E+00	1.76E-03	2.97E-05	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
12	ALL	residential	487754.5	3617251	NonCancer	1.76E-03	1.76E-03	5.55E-04	0.00E+00	0.00E+00	1.76E-03	2.96E-05	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
797	ALL	residential	487730.6	3618725	NonCancer	1.76E-03	1.76E-03	5.55E-04	0.00E+00	0.00E+00	1.76E-03	2.96E-05	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
449	ALL	residential	483830.6	3617825	NonCancer	1.76E-03	1.76E-03	5.54E-04	0.00E+00	0.00E+00	1.76E-03	2.96E-05	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
30	ALL	residential	487804.5	3617270	NonCancer	1.75E-03	1.75E-03	5.53E-04	0.00E+00	0.00E+00	1.75E-03	2.95E-05	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03
623	ALL	residential	488030.6	3618225	NonCancer	1.75E-03	1.75E-03	5.52E-04	0.00E+00	0.00E+00	1.75E-03	2.95E-05	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03
387	ALL	residential	488130.6	3617625	NonCancer	1.75E-03	1.75E-03	5.52E-04	0.00E+00	0.00E+00	1.75E-03	2.95E-05	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03
874	ALL	residential	487430.6	3618925	NonCancer	1.75E-03	1.75E-03	5.52E-04	0.00E+00	0.00E+00	1.75E-03	2.95E-05	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03
835	ALL	residential	487730.6	3618825	NonCancer	1.75E-03	1.75E-03	5.52E-04	0.00E+00	0.00E+00	1.75E-03	2.95E-05	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03
531	ALL	residential	483730.6	3618025	NonCancer	1.75E-03	1.75E-03	5.52E-04	0.00E+00	0.00E+00	1.75E-03	2.94E-05	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03
64	ALL	residential	487854.5	3617309	NonCancer	1.75E-03	1.75E-03	5.52E-04	0.00E+00	0.00E+00	1.75E-03	2.94E-05	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03
624	ALL	residential	488130.6	3618225	NonCancer	1.75E-03	1.75E-03	5.52E-04	0.00E+00	0.00E+00	1.75E-03	2.94E-05	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03
491	ALL	residential	483830.6	3617925	NonCancer	1.75E-03	1.75E-03	5.51E-04	0.00E+00	0.00E+00	1.75E-03	2.94E-05	0.00E+00	1.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03
1526	ALL	residential	484930.6	3620325	NonCancer	1.75E-03	1.75E-03	5.51E-04	0.00E+00	0.00E+00	1.75E-03	2.94E-05	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
1090	ALL	residential	486730.6	3619325	NonCancer	1.75E-03	1.75E-03	5.51E-04	0.00E+00	0.00E+00	1.75E-03	2.94E-05	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03
1447	ALL	residential	485730.6	3620125	NonCancer	1.74E-03	1.74E-03	5.50E-04	0.00E+00	0.00E+00	1.74E-03	2.94E-05	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
590	ALL	residential	488230.6	3618125	NonCancer	1.74E-03	1.74E-03	5.50E-04	0.00E+00	0.00E+00	1.74E-03	2.94E-05	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
1527	ALL	residential	485030.6	3620325	NonCancer	1.74E-03	1.74E-03	5.50E-04	0.00E+00	0.00E+00	1.74E-03	2.93E-05	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
927	ALL	residential	487230.6	3619025	NonCancer	1.74E-03	1.74E-03	5.50E-04	0.00E+00	0.00E+00	1.74E-03	2.93E-05	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
13	ALL	residential	487779.5	3617251	NonCancer	1.74E-03	1.74E-03	5.49E-04	0.00E+00	0.00E+00	1.74E-03	2.93E-05	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
1034	ALL	residential	486930.6	3619225	NonCancer	1.74E-03	1.74E-03	5.49E-04	0.00E+00	0.00E+00	1.74E-03	2.93E-05	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
1262	ALL	residential	484330.6	3619725	NonCancer	1.74E-03	1.74E-03	5.49E-04	0.00E+00	0.00E+00	1.74E-03	2.93E-05	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
48	ALL	residential	487854.5	3617289	NonCancer	1.74E-03	1.74E-03	5.48E-04	0.00E+00	0.00E+00	1.74E-03	2.92E-05	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
428	ALL	residential	488130.6	3617725	NonCancer	1.74E-03	1.74E-03	5.47E-04	0.00E+00	0.00E+00	1.74E-03	2.92E-05	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
552	ALL	residential	488230.6	3618025	NonCancer	1.73E-03	1.73E-03	5.47E-04	0.00E+00	0.00E+00	1.73E-03	2.92E-05	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
979	ALL	residential	487030.6	3619125	NonCancer	1.73E-03	1.73E-03	5.47E-04	0.00E+00	0.00E+00	1.73E-03	2.92E-05	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
770	ALL	recreationa	484330.6	3618725	NonCancer	1.73E-03	1.73E-03	5.47E-04	0.00E+00	0.00E+00	1.73E-03	2.92E-05	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
31	ALL	residential	487829.5	3617270	NonCancer	1.73E-03	1.73E-03	5.47E-04	0.00E+00	0.00E+00	1.73E-03	2.92E-05	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
1530	ALL	residential	485330.6	3620325	NonCancer	1.73E-03	1.73E-03	5.47E-04	0.00E+00	0.00E+00	1.73E-03	2.92E-05	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
366	ALL	residential	483730.6	3617625	NonCancer	1.73E-03	1.73E-03	5.46E-04	0.00E+00	0.00E+00	1.73E-03	2.92E-05	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
1390	ALL	residential	484630.6	3620025	NonCancer	1.73E-03	1.73E-03	5.46E-04	0.00E+00	0.00E+00	1.73E-03	2.91E-05	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
875	ALL	residential	487530.6	3618925	NonCancer	1.73E-03	1.73E-03	5.46E-04	0.00E+00	0.00E+00	1.73E-03	2.91E-05	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
1529	ALL	residential	485230.6	3620325	NonCancer	1.73E-03	1.73E-03	5.45E-04	0.00E+00	0.00E+00	1.73E-03	2.91E-05	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
849	ALL	recreationa	484630.6	3618925	NonCancer	1.73E-03	1.73E-03	5.45E-04	0.00E+00	0.00E+00	1.73E-03	2.91E-05	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
1403	ALL	residential	485930.6	3620025	NonCancer	1.73E-03	1.73E-03	5.45E-04	0.00E+00	0.00E+00	1.73E-03	2.91E-05	0.00E+00	1.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
978	ALL	residential	486930.6	3619125	NonCancer	1.72E-03	1.72E-03	5.44E-04	0.00E+00	0.00E+00	1.72E-03	2.90E-05	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03
14	ALL	residential	487804.5	3617251	NonCancer	1.72E-03	1.72E-03	5.43E-04	0.00E+00	0.00E+00	1.72E-03	2.90E-05	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03
32	ALL	residential	487854.5	3617270	NonCancer	1.72E-03	1.72E-03	5.42E-04	0.00E+00	0.00E+00	1.72E-03	2.89E-05	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03
654	ALL	residential	487930.6	3618325	NonCancer	1.72E-03	1.72E-03	5.42E-04	0.00E+00	0.00E+00	1.72E-03	2.89E-05	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03
834	ALL	residential	487630.6	3618825	NonCancer	1.72E-03	1.72E-03	5.41E-04	0.00E+00	0.00E+00	1.72E-03	2.89E-05	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03
1489	ALL	residential	485430.6	3620225	NonCancer	1.72E-03	1.72E-03	5.41E-04	0.00E+00	0.00E+00	1.72E-03	2.89E-05	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03
625	ALL	residential	488230.6	3618225	NonCancer	1.72E-03	1.72E-03	5.41E-04	0.00E+00	0.00E+00	1.72E-03	2.89E-05	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03
1482	ALL	residential	484730.6	3620225	NonCancer	1.71E-03	1.71E-03	5.41E-04	0.00E+00	0.00E+00	1.71E-03	2.89E-05	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03
1528	ALL	residential	485130.6	3620325	NonCancer	1.71E-03	1.71E-03	5.41E-04	0.00E+00	0.00E+00	1.71E-03	2.88E-05	0.00E+00	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03
15	ALL	residential	487829.5	3617251	NonCancer	1.71E-03	1.71E-03	5.39E-04	0.00E+00	0.00E+00	1.71E-03	2.88E-05	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03
1985	ALL	Worker	484600	3618900	NonCancer	1.71E-03	1.71E-03	5.38E-04	0.00E+00	0.00E+00	1.71E-03	2.87E-05	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03
1068	ALL	residential	484430.6	3619325	NonCancer	1.70E-03	1.70E-03	5.38E-04	0.00E+00	0.00E+00	1.70E-03	2.87E-05	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03
1490	ALL	recreationa	485530.6	3620225	NonCancer	1.70E-03	1.70E-03	5.37E-04	0.00E+00	0.00E+00	1.70E-03	2.87E-05	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03
836	ALL	residential	487830.6	3618825	NonCancer	1.70E-03	1.70E-03	5.37E-04	0.00E+00	0.00E+00	1.70E-03	2.86E-05	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03
16	ALL	residential	487854.5	3617251	NonCancer	1.70E-03	1.70E-03	5.36E-04	0.00E+00	0.00E+00	1.70E-03	2.86E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03
166	ALL	residential	485330.6	3615725	NonCancer	1.70E-03	1.70E-03	5.35E-04	0.00E+00	0.00E+00	1.70E-03	2.86E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03
1389	ALL	residential	484530.6	3620025	NonCancer	1.70E-03	1.70E-03	5.35E-04	0.00E+00	0.00E+00	1.70E-03	2.85E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03
297	ALL	residential	487930.6	3617325	NonCancer	1.69E-03	1.69E-03	5.34E-04	0.00E+00	0.00E+00	1.69E-03	2.85E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
165	ALL	residential	485230.6	3615725	NonCancer	1.69E-03	1.69E-03	5.34E-04	0.00E+00	0.00E+00	1.69E-03	2.85E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
1302	ALL	residential	484430.6	3619825	NonCancer	1.69E-03	1.69E-03	5.34E-04	0.00E+00	0.00E+00	1.69E-03	2.85E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
1092	ALL	residential	486930.6	3619325	NonCancer	1.69E-03	1.69E-03	5.33E-04	0.00E+00	0.00E+00	1.69E-03	2.85E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
876	ALL	residential	487630.6	3618925	NonCancer	1.69E-03	1.69E-03	5.33E-04	0.00E+00	0.00E+00	1.69E-03	2.84E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
1180	ALL	residential	484330.6	3619525	NonCancer	1.69E-03	1.69E-03	5.33E-04	0.00E+00	0.00E+00	1.69E-03	2.84E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
760	ALL	residential	487830.6	3618625	NonCancer	1.69E-03	1.69E-03	5.33E-04	0.00E+00	0.00E+00	1.69E-03	2.84E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
1525	ALL	residential	484830.6	3620325	NonCancer	1.69E-03	1.69E-03	5.32E-04	0.00E+00	0.00E+00	1.69E-03	2.84E-05	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
351	ALL	residential	488130.6	3617525	NonCancer	1.68E-03	1.68E-03	5.31E-04	0.00E+00	0.00E+00	1.68E-03	2.83E-05	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03
980	ALL	residential	487130.6	3619125	NonCancer	1.68E-03	1.68E-03	5.29E-04	0.00E+00	0.00E+00	1.68E-03	2.82E-05	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03
405	ALL	residential	483730.6	3617725	NonCancer	1.68E-03	1.68E-03	5.29E-04	0.00E+00	0.00E+00	1.68E-03	2.82E-05	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03
1436	ALL	residential	484630.6	3620125	NonCancer	1.68E-03	1.68E-03	5.29E-04	0.00E+00	0.00E+00	1.68E-03	2.82E-05	0.00E+00	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03
513	ALL	school	488230.6	3617925	NonCancer	1.67E-03	1.67E-03	5.28E-04	0.00E+00	0.00E+00	1.67E-03	2.82E-05	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
655	ALL	residential	488030.6	3618325	NonCancer	1.67E-03	1.67E-03	5.27E-04	0.00E+00	0.00E+00	1.67E-03	2.81E-05	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03
798	ALL	residential	487830.6	3618725	NonCancer	1.67E-03	1.67E-03	5.26E-04	0.00E+00	0.00E+00	1.67E-03	2.81E-05	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03
1388	ALL	residential	484430.6	3620025	NonCancer	1.67E-03	1.67E-03	5.26E-04	0.00E+00	0.00E+00	1.67E-03	2.80E-05	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03
1569	ALL	residential	485230.6	3620425	NonCancer	1.66E-03	1.66E-03	5.24E-04	0.00E+00	0.00E+00	1.66E-03	2.80E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
1524	ALL	residential	484730.6	3620325	NonCancer	1.66E-03	1.66E-03	5.24E-04	0.00E+00	0.00E+00	1.66E-03	2.80E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
471	ALL	school	488230.6	3617825	NonCancer	1.66E-03	1.66E-03	5.24E-04	0.00E+00	0.00E+00	1.66E-03	2.79E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
928	ALL	residential	487330.6	3619025	NonCancer	1.66E-03	1.66E-03	5.23E-04	0.00E+00	0.00E+00	1.66E-03	2.79E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
1983	ALL	Worker	484400	3618900	NonCancer	1.66E-03	1.66E-03	5.23E-04	0.00E+00	0.00E+00	1.66E-03	2.79E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
1566	ALL	residential	484930.6	3620425	NonCancer	1.66E-03	1.66E-03	5.23E-04	0.00E+00	0.00E+00	1.66E-03	2.79E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
1491	ALL	recreationa	485630.6	3620225	NonCancer	1.66E-03	1.66E-03	5.23E-04	0.00E+00	0.00E+00	1.66E-03	2.79E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
591	ALL	residential	488330.6	3618125	NonCancer	1.66E-03	1.66E-03	5.22E-04	0.00E+00	0.00E+00	1.66E-03	2.79E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
530	ALL	residential	483630.6	3618025	NonCancer	1.66E-03	1.66E-03	5.22E-04	0.00E+00	0.00E+00	1.66E-03	2.79E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
569	ALL	residential	483630.6	3618125	NonCancer	1.65E-03	1.65E-03	5.22E-04	0.00E+00	0.00E+00	1.65E-03	2.79E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
490	ALL	residential	483730.6	3617925	NonCancer	1.65E-03	1.65E-03	5.22E-04	0.00E+00	0.00E+00	1.65E-03	2.78E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
848	ALL	recreationa	484530.6	3618925	NonCancer	1.65E-03	1.65E-03	5.21E-04	0.00E+00	0.00E+00	1.65E-03	2.78E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
761	ALL	residential	487930.6	3618625	NonCancer	1.65E-03	1.65E-03	5.21E-04	0.00E+00	0.00E+00	1.65E-03	2.78E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
1481	ALL	residential	484630.6	3620225	NonCancer	1.65E-03	1.65E-03	5.21E-04	0.00E+00	0.00E+00	1.65E-03	2.78E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
448	ALL	residential	483730.6	3617825	NonCancer	1.65E-03	1.65E-03	5.21E-04	0.00E+00	0.00E+00	1.65E-03	2.78E-05	0.00E+00	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
656	ALL	residential	488130.6	3618325	NonCancer	1.65E-03	1.65E-03	5.20E-04	0.00E+00	0.00E+00	1.65E-03	2.78E-05	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
769	ALL	recreationa	484230.6	3618725	NonCancer	1.65E-03	1.65E-03	5.20E-04	0.00E+00	0.00E+00	1.65E-03	2.77E-05	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
626	ALL	residential	488330.6	3618225	NonCancer	1.65E-03	1.65E-03	5.20E-04	0.00E+00	0.00E+00	1.65E-03	2.77E-05	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
1570	ALL	residential	485330.6	3620425	NonCancer	1.65E-03	1.65E-03	5.19E-04	0.00E+00	0.00E+00	1.65E-03	2.77E-05	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
330	ALL	residential	483530.6	3617525	NonCancer	1.65E-03	1.65E-03	5.19E-04	0.00E+00	0.00E+00	1.65E-03	2.77E-05	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
1567	ALL	residential	485030.6	3620425	NonCancer	1.65E-03	1.65E-03	5.19E-04	0.00E+00	0.00E+00	1.65E-03	2.77E-05	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
1984	ALL	Worker	484500	3618900	NonCancer	1.65E-03	1.65E-03	5.19E-04	0.00E+00	0.00E+00	1.65E-03	2.77E-05	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
1448	ALL	residential	485830.6	3620125	NonCancer	1.64E-03	1.64E-03	5.18E-04	0.00E+00	0.00E+00	1.64E-03	2.77E-05	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03
163	ALL	residential	485430.6	3615625	NonCancer	1.64E-03	1.64E-03	5.17E-04	0.00E+00	0.00E+00	1.64E-03	2.76E-05	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03
1301	ALL	residential	484330.6	3619825	NonCancer	1.64E-03	1.64E-03	5.17E-04	0.00E+00	0.00E+00	1.64E-03	2.76E-05	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03
1435	ALL	residential	484530.6	3620125	NonCancer	1.64E-03	1.64E-03	5.16E-04	0.00E+00	0.00E+00	1.64E-03	2.76E-05	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03
388	ALL	residential	488230.6	3617625	NonCancer	1.64E-03	1.64E-03	5.16E-04	0.00E+00	0.00E+00	1.64E-03	2.75E-05	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03
799	ALL	residential	487930.6	3618725	NonCancer	1.64E-03	1.64E-03	5.16E-04	0.00E+00	0.00E+00	1.64E-03	2.75E-05	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03
365	ALL	residential	483630.6	3617625	NonCancer	1.63E-03	1.63E-03	5.16E-04	0.00E+00	0.00E+00	1.63E-03	2.75E-05	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03
1125	ALL	residential	484330.6	3619425	NonCancer	1.63E-03	1.63E-03	5.15E-04	0.00E+00	0.00E+00	1.63E-03	2.75E-05	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03
553	ALL	residential	488330.6	3618025	NonCancer	1.63E-03	1.63E-03	5.15E-04	0.00E+00	0.00E+00	1.63E-03	2.75E-05	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03
722	ALL	residential	487830.6	3618525	NonCancer	1.63E-03	1.63E-03	5.13E-04	0.00E+00	0.00E+00	1.63E-03	2.74E-05	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03
1531	ALL	residential	485430.6	3620325	NonCancer	1.63E-03	1.63E-03	5.13E-04	0.00E+00	0.00E+00	1.63E-03	2.74E-05	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03
1568	ALL	residential	485130.6	3620425	NonCancer	1.62E-03	1.62E-03	5.13E-04	0.00E+00	0.00E+00	1.62E-03	2.74E-05	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03
429	ALL	residential	488230.6	3617725	NonCancer	1.62E-03	1.62E-03	5.12E-04	0.00E+00	0.00E+00	1.62E-03	2.73E-05	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03
1344	ALL	residential	484430.6	3619925	NonCancer	1.62E-03	1.62E-03	5.12E-04	0.00E+00	0.00E+00	1.62E-03	2.73E-05	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03
877	ALL	residential	487730.6	3618925	NonCancer	1.62E-03	1.62E-03	5.12E-04	0.00E+00	0.00E+00	1.62E-03	2.73E-05	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03
1434	ALL	residential	484430.6	3620125	NonCancer	1.62E-03	1.62E-03	5.11E-04	0.00E+00	0.00E+00	1.62E-03	2.73E-05	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03
1523	ALL	residential	484630.6	3620325	NonCancer	1.62E-03	1.62E-03	5.10E-04	0.00E+00	0.00E+00	1.62E-03	2.72E-05	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03
1492	ALL	recreationa	485730.6	3620225	NonCancer	1.61E-03	1.61E-03	5.09E-04	0.00E+00	0.00E+00	1.61E-03	2.72E-05	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
981	ALL	residential	487230.6	3619125	NonCancer	1.61E-03	1.61E-03	5.09E-04	0.00E+00	0.00E+00	1.61E-03	2.72E-05	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
955	ALL	residential	484530.6	3619125	NonCancer	1.61E-03	1.61E-03	5.08E-04	0.00E+00	0.00E+00	1.61E-03	2.71E-05	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
162	ALL	residential	485330.6	3615625	NonCancer	1.61E-03	1.61E-03	5.08E-04	0.00E+00	0.00E+00	1.61E-03	2.71E-05	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
837	ALL	residential	487930.6	3618825	NonCancer	1.61E-03	1.61E-03	5.07E-04	0.00E+00	0.00E+00	1.61E-03	2.70E-05	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
847	ALL	recreationa	484430.6	3618925	NonCancer	1.61E-03	1.61E-03	5.07E-04	0.00E+00	0.00E+00	1.61E-03	2.70E-05	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
164	ALL	residential	485130.6	3615725	NonCancer	1.60E-03	1.60E-03	5.06E-04	0.00E+00	0.00E+00	1.60E-03	2.70E-05	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03
161	ALL	residential	485230.6	3615625	NonCancer	1.60E-03	1.60E-03	5.05E-04	0.00E+00	0.00E+00	1.60E-03	2.70E-05	0.00E+00	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03
298	ALL	residential	488030.6	3617325	NonCancer	1.60E-03	1.60E-03	5.05E-04	0.00E+00	0.00E+00	1.60E-03	2.69E-05	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
568	ALL	residential	483530.6	3618125	NonCancer	1.60E-03	1.60E-03	5.05E-04	0.00E+00	0.00E+00	1.60E-03	2.69E-05	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03
1532	ALL	recreationa	485530.6	3620325	NonCancer	1.60E-03	1.60E-03	5.04E-04	0.00E+00	0.00E+00	1.60E-03	2.69E-05	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03
686	ALL	residential	487730.6	3618425	NonCancer	1.59E-03	1.59E-03	5.02E-04	0.00E+00	0.00E+00	1.59E-03	2.68E-05	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03
514	ALL	residential	488330.6	3617925	NonCancer	1.59E-03	1.59E-03	5.02E-04	0.00E+00	0.00E+00	1.59E-03	2.68E-05	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03
657	ALL	residential	488230.6	3618325	NonCancer	1.59E-03	1.59E-03	5.02E-04	0.00E+00	0.00E+00	1.59E-03	2.68E-05	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03
404	ALL	residential	483630.6	3617725	NonCancer	1.59E-03	1.59E-03	5.02E-04	0.00E+00	0.00E+00	1.59E-03	2.68E-05	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03
930	ALL	residential	487530.6	3619025	NonCancer	1.59E-03	1.59E-03	5.01E-04	0.00E+00	0.00E+00	1.59E-03	2.68E-05	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03
352	ALL	residential	488230.6	3617525	NonCancer	1.59E-03	1.59E-03	5.01E-04	0.00E+00	0.00E+00	1.59E-03	2.67E-05	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03
878	ALL	residential	487830.6	3618925	NonCancer	1.59E-03	1.59E-03	5.01E-04	0.00E+00	0.00E+00	1.59E-03	2.67E-05	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03
879	ALL	residential	487930.6	3618925	NonCancer	1.58E-03	1.58E-03	5.00E-04	0.00E+00	0.00E+00	1.58E-03	2.67E-05	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
932	ALL	residential	487730.6	3619025	NonCancer	1.58E-03	1.58E-03	5.00E-04	0.00E+00	0.00E+00	1.58E-03	2.67E-05	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
1564	ALL	residential	484730.6	3620425	NonCancer	1.58E-03	1.58E-03	4.99E-04	0.00E+00	0.00E+00	1.58E-03	2.66E-05	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
880	ALL	residential	488030.6	3618925	NonCancer	1.58E-03	1.58E-03	4.99E-04	0.00E+00	0.00E+00	1.58E-03	2.66E-05	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
1607	ALL	residential	485230.6	3620525	NonCancer	1.58E-03	1.58E-03	4.99E-04	0.00E+00	0.00E+00	1.58E-03	2.66E-05	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
1565	ALL	residential	484830.6	3620425	NonCancer	1.58E-03	1.58E-03	4.99E-04	0.00E+00	0.00E+00	1.58E-03	2.66E-05	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
592	ALL	residential	488430.6	3618125	NonCancer	1.58E-03	1.58E-03	4.99E-04	0.00E+00	0.00E+00	1.58E-03	2.66E-05	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
689	ALL	residential	488030.6	3618425	NonCancer	1.58E-03	1.58E-03	4.99E-04	0.00E+00	0.00E+00	1.58E-03	2.66E-05	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
1480	ALL	residential	484530.6	3620225	NonCancer	1.58E-03	1.58E-03	4.97E-04	0.00E+00	0.00E+00	1.58E-03	2.65E-05	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
1449	ALL	residential	485930.6	3620125	NonCancer	1.57E-03	1.57E-03	4.97E-04	0.00E+00	0.00E+00	1.57E-03	2.65E-05	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03
1300	ALL	residential	484230.6	3619825	NonCancer	1.57E-03	1.57E-03	4.96E-04	0.00E+00	0.00E+00	1.57E-03	2.65E-05	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03
1343	ALL	residential	484330.6	3619925	NonCancer	1.57E-03	1.57E-03	4.96E-04	0.00E+00	0.00E+00	1.57E-03	2.64E-05	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03
1149	ALL	residential	486830.6	3619425	NonCancer	1.57E-03	1.57E-03	4.96E-04	0.00E+00	0.00E+00	1.57E-03	2.64E-05	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03
982	ALL	residential	487330.6	3619125	NonCancer	1.57E-03	1.57E-03	4.95E-04	0.00E+00	0.00E+00	1.57E-03	2.64E-05	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03
901	ALL	residential	484530.6	3619025	NonCancer	1.57E-03	1.57E-03	4.95E-04	0.00E+00	0.00E+00	1.57E-03	2.64E-05	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03
627	ALL	residential	488430.6	3618225	NonCancer	1.57E-03	1.57E-03	4.95E-04	0.00E+00	0.00E+00	1.57E-03	2.64E-05	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03
529	ALL	residential	483530.6	3618025	NonCancer	1.57E-03	1.57E-03	4.95E-04	0.00E+00	0.00E+00	1.57E-03	2.64E-05	0.00E+00	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03
489	ALL	residential	483630.6	3617925	NonCancer	1.56E-03	1.56E-03	4.94E-04	0.00E+00	0.00E+00	1.56E-03	2.63E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
1036	ALL	residential	487130.6	3619225	NonCancer	1.56E-03	1.56E-03	4.94E-04	0.00E+00	0.00E+00	1.56E-03	2.63E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
688	ALL	residential	487930.6	3618425	NonCancer	1.56E-03	1.56E-03	4.93E-04	0.00E+00	0.00E+00	1.56E-03	2.63E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
158	ALL	residential	485530.6	3615525	NonCancer	1.56E-03	1.56E-03	4.93E-04	0.00E+00	0.00E+00	1.56E-03	2.63E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
447	ALL	residential	483630.6	3617825	NonCancer	1.56E-03	1.56E-03	4.92E-04	0.00E+00	0.00E+00	1.56E-03	2.63E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
472	ALL	residential	488330.6	3617825	NonCancer	1.56E-03	1.56E-03	4.92E-04	0.00E+00	0.00E+00	1.56E-03	2.63E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
329	ALL	residential	483430.6	3617525	NonCancer	1.56E-03	1.56E-03	4.92E-04	0.00E+00	0.00E+00	1.56E-03	2.63E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
1992	ALL	Worker	484500	3619000	NonCancer	1.56E-03	1.56E-03	4.91E-04	0.00E+00	0.00E+00	1.56E-03	2.62E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
931	ALL	residential	487630.6	3619025	NonCancer	1.56E-03	1.56E-03	4.91E-04	0.00E+00	0.00E+00	1.56E-03	2.62E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
389	ALL	residential	488330.6	3617625	NonCancer	1.56E-03	1.56E-03	4.91E-04	0.00E+00	0.00E+00	1.56E-03	2.62E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
1261	ALL	residential	484230.6	3619725	NonCancer	1.56E-03	1.56E-03	4.91E-04	0.00E+00	0.00E+00	1.56E-03	2.62E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
1563	ALL	residential	484630.6	3620425	NonCancer	1.56E-03	1.56E-03	4.91E-04	0.00E+00	0.00E+00	1.56E-03	2.62E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
690	ALL	residential	488130.6	3618425	NonCancer	1.56E-03	1.56E-03	4.91E-04	0.00E+00	0.00E+00	1.56E-03	2.62E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
1608	ALL	residential	485330.6	3620525	NonCancer	1.56E-03	1.56E-03	4.91E-04	0.00E+00	0.00E+00	1.56E-03	2.62E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
157	ALL	residential	485430.6	3615525	NonCancer	1.56E-03	1.56E-03	4.91E-04	0.00E+00	0.00E+00	1.56E-03	2.62E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
1150	ALL	residential	486930.6	3619425	NonCancer	1.55E-03	1.55E-03	4.90E-04	0.00E+00	0.00E+00	1.55E-03	2.62E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03
1035	ALL	residential	487030.6	3619225	NonCancer	1.55E-03	1.55E-03	4.90E-04	0.00E+00	0.00E+00	1.55E-03	2.61E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03
1533	ALL	recreationa	485630.6	3620325	NonCancer	1.55E-03	1.55E-03	4.89E-04	0.00E+00	0.00E+00	1.55E-03	2.61E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03
353	ALL	residential	488330.6	3617525	NonCancer	1.55E-03	1.55E-03	4.88E-04	0.00E+00	0.00E+00	1.55E-03	2.60E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03
933	ALL	residential	487830.6	3619025	NonCancer	1.55E-03	1.55E-03	4.88E-04	0.00E+00	0.00E+00	1.55E-03	2.60E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03
1605	ALL	residential	485030.6	3620525	NonCancer	1.54E-03	1.54E-03	4.87E-04	0.00E+00	0.00E+00	1.54E-03	2.60E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03
800	ALL	residential	488030.6	3618725	NonCancer	1.54E-03	1.54E-03	4.86E-04	0.00E+00	0.00E+00	1.54E-03	2.60E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03
1479	ALL	residential	484430.6	3620225	NonCancer	1.54E-03	1.54E-03	4.86E-04	0.00E+00	0.00E+00	1.54E-03	2.59E-05	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03
881	ALL	residential	488130.6	3618925	NonCancer	1.54E-03	1.54E-03	4.85E-04	0.00E+00	0.00E+00	1.54E-03	2.59E-05	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03
1571	ALL	residential	485430.6	3620425	NonCancer	1.54E-03	1.54E-03	4.85E-04	0.00E+00	0.00E+00	1.54E-03	2.59E-05	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
762	ALL	residential	488030.6	3618625	NonCancer	1.54E-03	1.54E-03	4.85E-04	0.00E+00	0.00E+00	1.54E-03	2.59E-05	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03
1604	ALL	residential	484930.6	3620525	NonCancer	1.54E-03	1.54E-03	4.85E-04	0.00E+00	0.00E+00	1.54E-03	2.59E-05	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03
554	ALL	residential	488430.6	3618025	NonCancer	1.53E-03	1.53E-03	4.84E-04	0.00E+00	0.00E+00	1.53E-03	2.58E-05	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
364	ALL	residential	483530.6	3617625	NonCancer	1.53E-03	1.53E-03	4.84E-04	0.00E+00	0.00E+00	1.53E-03	2.58E-05	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
567	ALL	residential	483430.6	3618125	NonCancer	1.53E-03	1.53E-03	4.83E-04	0.00E+00	0.00E+00	1.53E-03	2.58E-05	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
160	ALL	residential	485130.6	3615625	NonCancer	1.53E-03	1.53E-03	4.82E-04	0.00E+00	0.00E+00	1.53E-03	2.57E-05	0.00E+00	1.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
1602	ALL	residential	484730.6	3620525	NonCancer	1.53E-03	1.53E-03	4.82E-04	0.00E+00	0.00E+00	1.53E-03	2.57E-05	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
155	ALL	residential	485230.6	3615525	NonCancer	1.53E-03	1.53E-03	4.82E-04	0.00E+00	0.00E+00	1.53E-03	2.57E-05	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
430	ALL	residential	488330.6	3617725	NonCancer	1.53E-03	1.53E-03	4.82E-04	0.00E+00	0.00E+00	1.53E-03	2.57E-05	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
156	ALL	residential	485330.6	3615525	NonCancer	1.53E-03	1.53E-03	4.81E-04	0.00E+00	0.00E+00	1.53E-03	2.57E-05	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
929	ALL	residential	487430.6	3619025	NonCancer	1.53E-03	1.53E-03	4.81E-04	0.00E+00	0.00E+00	1.53E-03	2.57E-05	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
1493	ALL	recreationa	485830.6	3620225	NonCancer	1.52E-03	1.52E-03	4.80E-04	0.00E+00	0.00E+00	1.52E-03	2.56E-05	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
1603	ALL	residential	484830.6	3620525	NonCancer	1.52E-03	1.52E-03	4.80E-04	0.00E+00	0.00E+00	1.52E-03	2.56E-05	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
983	ALL	residential	487430.6	3619125	NonCancer	1.52E-03	1.52E-03	4.80E-04	0.00E+00	0.00E+00	1.52E-03	2.56E-05	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
687	ALL	residential	487830.6	3618425	NonCancer	1.52E-03	1.52E-03	4.80E-04	0.00E+00	0.00E+00	1.52E-03	2.56E-05	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
593	ALL	residential	488530.6	3618125	NonCancer	1.52E-03	1.52E-03	4.80E-04	0.00E+00	0.00E+00	1.52E-03	2.56E-05	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
1342	ALL	residential	484230.6	3619925	NonCancer	1.52E-03	1.52E-03	4.79E-04	0.00E+00	0.00E+00	1.52E-03	2.56E-05	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
1990	ALL	Worker	484300	3619000	NonCancer	1.52E-03	1.52E-03	4.79E-04	0.00E+00	0.00E+00	1.52E-03	2.55E-05	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
806	ALL	recreationa	484130.6	3618825	NonCancer	1.52E-03	1.52E-03	4.78E-04	0.00E+00	0.00E+00	1.52E-03	2.55E-05	0.00E+00	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
898	ALL	recreationa	484230.6	3619025	NonCancer	1.52E-03	1.52E-03	4.78E-04	0.00E+00	0.00E+00	1.52E-03	2.55E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
1037	ALL	residential	487230.6	3619225	NonCancer	1.52E-03	1.52E-03	4.78E-04	0.00E+00	0.00E+00	1.52E-03	2.55E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
900	ALL	recreationa	484430.6	3619025	NonCancer	1.51E-03	1.51E-03	4.78E-04	0.00E+00	0.00E+00	1.51E-03	2.55E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
801	ALL	residential	488130.6	3618725	NonCancer	1.51E-03	1.51E-03	4.78E-04	0.00E+00	0.00E+00	1.51E-03	2.55E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
897	ALL	recreationa	484130.6	3619025	NonCancer	1.51E-03	1.51E-03	4.78E-04	0.00E+00	0.00E+00	1.51E-03	2.55E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
1606	ALL	residential	485130.6	3620525	NonCancer	1.51E-03	1.51E-03	4.78E-04	0.00E+00	0.00E+00	1.51E-03	2.55E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
846	ALL	recreationa	484130.6	3618925	NonCancer	1.51E-03	1.51E-03	4.77E-04	0.00E+00	0.00E+00	1.51E-03	2.55E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
723	ALL	residential	487930.6	3618525	NonCancer	1.51E-03	1.51E-03	4.77E-04	0.00E+00	0.00E+00	1.51E-03	2.54E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
515	ALL	residential	488430.6	3617925	NonCancer	1.51E-03	1.51E-03	4.76E-04	0.00E+00	0.00E+00	1.51E-03	2.54E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
658	ALL	residential	488330.6	3618325	NonCancer	1.51E-03	1.51E-03	4.76E-04	0.00E+00	0.00E+00	1.51E-03	2.54E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
403	ALL	residential	483530.6	3617725	NonCancer	1.51E-03	1.51E-03	4.75E-04	0.00E+00	0.00E+00	1.51E-03	2.53E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
838	ALL	residential	488030.6	3618825	NonCancer	1.51E-03	1.51E-03	4.75E-04	0.00E+00	0.00E+00	1.51E-03	2.53E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
354	ALL	residential	488430.6	3617525	NonCancer	1.50E-03	1.50E-03	4.74E-04	0.00E+00	0.00E+00	1.50E-03	2.53E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03
1534	ALL	recreationa	485730.6	3620325	NonCancer	1.50E-03	1.50E-03	4.74E-04	0.00E+00	0.00E+00	1.50E-03	2.53E-05	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03
1067	ALL	residential	484330.6	3619325	NonCancer	1.50E-03	1.50E-03	4.74E-04	0.00E+00	0.00E+00	1.50E-03	2.53E-05	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03
1522	ALL	residential	484530.6	3620325	NonCancer	1.50E-03	1.50E-03	4.73E-04	0.00E+00	0.00E+00	1.50E-03	2.53E-05	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03
1991	ALL	Worker	484400	3619000	NonCancer	1.50E-03	1.50E-03	4.73E-04	0.00E+00	0.00E+00	1.50E-03	2.53E-05	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03
390	ALL	residential	488430.6	3617625	NonCancer	1.50E-03	1.50E-03	4.73E-04	0.00E+00	0.00E+00	1.50E-03	2.52E-05	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03
1093	ALL	residential	487030.6	3619325	NonCancer	1.50E-03	1.50E-03	4.72E-04	0.00E+00	0.00E+00	1.50E-03	2.52E-05	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03
1478	ALL	residential	484330.6	3620225	NonCancer	1.49E-03	1.49E-03	4.71E-04	0.00E+00	0.00E+00	1.49E-03	2.52E-05	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
1572	ALL	recreationa	485530.6	3620425	NonCancer	1.49E-03	1.49E-03	4.71E-04	0.00E+00	0.00E+00	1.49E-03	2.51E-05	0.00E+00	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
488	ALL	residential	483530.6	3617925	NonCancer	1.49E-03	1.49E-03	4.70E-04	0.00E+00	0.00E+00	1.49E-03	2.51E-05	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
528	ALL	residential	483430.6	3618025	NonCancer	1.49E-03	1.49E-03	4.70E-04	0.00E+00	0.00E+00	1.49E-03	2.51E-05	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
691	ALL	residential	488230.6	3618425	NonCancer	1.49E-03	1.49E-03	4.70E-04	0.00E+00	0.00E+00	1.49E-03	2.51E-05	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
839	ALL	residential	488130.6	3618825	NonCancer	1.49E-03	1.49E-03	4.70E-04	0.00E+00	0.00E+00	1.49E-03	2.51E-05	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
159	ALL	residential	485030.6	3615625	NonCancer	1.49E-03	1.49E-03	4.69E-04	0.00E+00	0.00E+00	1.49E-03	2.50E-05	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
594	ALL	residential	488630.6	3618125	NonCancer	1.49E-03	1.49E-03	4.69E-04	0.00E+00	0.00E+00	1.49E-03	2.50E-05	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
446	ALL	residential	483530.6	3617825	NonCancer	1.49E-03	1.49E-03	4.69E-04	0.00E+00	0.00E+00	1.49E-03	2.50E-05	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
1562	ALL	residential	484530.6	3620425	NonCancer	1.49E-03	1.49E-03	4.69E-04	0.00E+00	0.00E+00	1.49E-03	2.50E-05	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
628	ALL	residential	488530.6	3618225	NonCancer	1.48E-03	1.48E-03	4.68E-04	0.00E+00	0.00E+00	1.48E-03	2.50E-05	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
154	ALL	residential	485530.6	3615425	NonCancer	1.48E-03	1.48E-03	4.68E-04	0.00E+00	0.00E+00	1.48E-03	2.50E-05	0.00E+00	1.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
299	ALL	residential	488130.6	3617325	NonCancer	1.48E-03	1.48E-03	4.66E-04	0.00E+00	0.00E+00	1.48E-03	2.49E-05	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
473	ALL	residential	488430.6	3617825	NonCancer	1.48E-03	1.48E-03	4.66E-04	0.00E+00	0.00E+00	1.48E-03	2.49E-05	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
1520	ALL	residential	484330.6	3620325	NonCancer	1.48E-03	1.48E-03	4.66E-04	0.00E+00	0.00E+00	1.48E-03	2.49E-05	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
1521	ALL	residential	484430.6	3620325	NonCancer	1.48E-03	1.48E-03	4.66E-04	0.00E+00	0.00E+00	1.48E-03	2.49E-05	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
899	ALL	recreationa	484330.6	3619025	NonCancer	1.47E-03	1.47E-03	4.65E-04	0.00E+00	0.00E+00	1.47E-03	2.48E-05	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
153	ALL	residential	485430.6	3615425	NonCancer	1.47E-03	1.47E-03	4.65E-04	0.00E+00	0.00E+00	1.47E-03	2.48E-05	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
566	ALL	residential	483330.6	3618125	NonCancer	1.47E-03	1.47E-03	4.65E-04	0.00E+00	0.00E+00	1.47E-03	2.48E-05	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
1220	ALL	residential	484230.6	3619625	NonCancer	1.47E-03	1.47E-03	4.64E-04	0.00E+00	0.00E+00	1.47E-03	2.48E-05	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
937	ALL	residential	488230.6	3619025	NonCancer	1.47E-03	1.47E-03	4.64E-04	0.00E+00	0.00E+00	1.47E-03	2.48E-05	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
1601	ALL	residential	484630.6	3620525	NonCancer	1.47E-03	1.47E-03	4.64E-04	0.00E+00	0.00E+00	1.47E-03	2.48E-05	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
516	ALL	residential	488530.6	3617925	NonCancer	1.47E-03	1.47E-03	4.64E-04	0.00E+00	0.00E+00	1.47E-03	2.48E-05	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
322	ALL	residential	488430.6	3617425	NonCancer	1.47E-03	1.47E-03	4.64E-04	0.00E+00	0.00E+00	1.47E-03	2.47E-05	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
355	ALL	residential	488530.6	3617525	NonCancer	1.47E-03	1.47E-03	4.63E-04	0.00E+00	0.00E+00	1.47E-03	2.47E-05	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
935	ALL	residential	488030.6	3619025	NonCancer	1.47E-03	1.47E-03	4.63E-04	0.00E+00	0.00E+00	1.47E-03	2.47E-05	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
1387	ALL	residential	484330.6	3620025	NonCancer	1.47E-03	1.47E-03	4.62E-04	0.00E+00	0.00E+00	1.47E-03	2.47E-05	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
1151	ALL	residential	487030.6	3619425	NonCancer	1.47E-03	1.47E-03	4.62E-04	0.00E+00	0.00E+00	1.47E-03	2.47E-05	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
1010	ALL	residential	484430.6	3619225	NonCancer	1.46E-03	1.46E-03	4.62E-04	0.00E+00	0.00E+00	1.46E-03	2.47E-05	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
431	ALL	residential	488430.6	3617725	NonCancer	1.46E-03	1.46E-03	4.62E-04	0.00E+00	0.00E+00	1.46E-03	2.46E-05	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
802	ALL	residential	488230.6	3618725	NonCancer	1.46E-03	1.46E-03	4.61E-04	0.00E+00	0.00E+00	1.46E-03	2.46E-05	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
555	ALL	residential	488530.6	3618025	NonCancer	1.46E-03	1.46E-03	4.60E-04	0.00E+00	0.00E+00	1.46E-03	2.46E-05	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
246	ALL	residential	487830.6	3617025	NonCancer	1.46E-03	1.46E-03	4.60E-04	0.00E+00	0.00E+00	1.46E-03	2.45E-05	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
936	ALL	residential	488130.6	3619025	NonCancer	1.46E-03	1.46E-03	4.60E-04	0.00E+00	0.00E+00	1.46E-03	2.45E-05	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
1433	ALL	residential	484330.6	3620125	NonCancer	1.46E-03	1.46E-03	4.60E-04	0.00E+00	0.00E+00	1.46E-03	2.45E-05	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
247	ALL	residential	487930.6	3617025	NonCancer	1.46E-03	1.46E-03	4.60E-04	0.00E+00	0.00E+00	1.46E-03	2.45E-05	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
391	ALL	residential	488530.6	3617625	NonCancer	1.46E-03	1.46E-03	4.59E-04	0.00E+00	0.00E+00	1.46E-03	2.45E-05	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
986	ALL	residential	487730.6	3619125	NonCancer	1.45E-03	1.45E-03	4.58E-04	0.00E+00	0.00E+00	1.45E-03	2.44E-05	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
595	ALL	residential	488730.6	3618125	NonCancer	1.45E-03	1.45E-03	4.57E-04	0.00E+00	0.00E+00	1.45E-03	2.44E-05	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
954	ALL	residential	484430.6	3619125	NonCancer	1.45E-03	1.45E-03	4.56E-04	0.00E+00	0.00E+00	1.45E-03	2.43E-05	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
323	ALL	residential	488530.6	3617425	NonCancer	1.45E-03	1.45E-03	4.56E-04	0.00E+00	0.00E+00	1.45E-03	2.43E-05	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
474	ALL	residential	488530.6	3617825	NonCancer	1.45E-03	1.45E-03	4.56E-04	0.00E+00	0.00E+00	1.45E-03	2.43E-05	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
152	ALL	residential	485330.6	3615425	NonCancer	1.44E-03	1.44E-03	4.56E-04	0.00E+00	0.00E+00	1.44E-03	2.43E-05	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03
1638	ALL	residential	485330.6	3620625	NonCancer	1.44E-03	1.44E-03	4.55E-04	0.00E+00	0.00E+00	1.44E-03	2.43E-05	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03
934	ALL	residential	487930.6	3619025	NonCancer	1.44E-03	1.44E-03	4.55E-04	0.00E+00	0.00E+00	1.44E-03	2.43E-05	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03
1573	ALL	recreationa	485630.6	3620425	NonCancer	1.44E-03	1.44E-03	4.54E-04	0.00E+00	0.00E+00	1.44E-03	2.42E-05	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03
1561	ALL	residential	484430.6	3620425	NonCancer	1.44E-03	1.44E-03	4.54E-04	0.00E+00	0.00E+00	1.44E-03	2.42E-05	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03
896	ALL	recreationa	484030.6	3619025	NonCancer	1.44E-03	1.44E-03	4.53E-04	0.00E+00	0.00E+00	1.44E-03	2.42E-05	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03
1179	ALL	residential	484230.6	3619525	NonCancer	1.43E-03	1.43E-03	4.53E-04	0.00E+00	0.00E+00	1.43E-03	2.42E-05	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
1996	ALL	Worker	484400	3619100	NonCancer	1.43E-03	1.43E-03	4.52E-04	0.00E+00	0.00E+00	1.43E-03	2.41E-05	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
1600	ALL	residential	484530.6	3620525	NonCancer	1.43E-03	1.43E-03	4.52E-04	0.00E+00	0.00E+00	1.43E-03	2.41E-05	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
1609	ALL	residential	485430.6	3620525	NonCancer	1.43E-03	1.43E-03	4.52E-04	0.00E+00	0.00E+00	1.43E-03	2.41E-05	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
517	ALL	residential	488630.6	3617925	NonCancer	1.43E-03	1.43E-03	4.52E-04	0.00E+00	0.00E+00	1.43E-03	2.41E-05	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
1560	ALL	residential	484330.6	3620425	NonCancer	1.43E-03	1.43E-03	4.52E-04	0.00E+00	0.00E+00	1.43E-03	2.41E-05	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
402	ALL	residential	483430.6	3617725	NonCancer	1.43E-03	1.43E-03	4.52E-04	0.00E+00	0.00E+00	1.43E-03	2.41E-05	0.00E+00	1.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
363	ALL	residential	483430.6	3617625	NonCancer	1.43E-03	1.43E-03	4.51E-04	0.00E+00	0.00E+00	1.43E-03	2.41E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
840	ALL	residential	488230.6	3618825	NonCancer	1.43E-03	1.43E-03	4.51E-04	0.00E+00	0.00E+00	1.43E-03	2.41E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
1635	ALL	residential	485030.6	3620625	NonCancer	1.43E-03	1.43E-03	4.51E-04	0.00E+00	0.00E+00	1.43E-03	2.41E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
882	ALL	residential	488230.6	3618925	NonCancer	1.43E-03	1.43E-03	4.50E-04	0.00E+00	0.00E+00	1.43E-03	2.40E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
487	ALL	residential	483430.6	3617925	NonCancer	1.43E-03	1.43E-03	4.50E-04	0.00E+00	0.00E+00	1.43E-03	2.40E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
300	ALL	residential	488230.6	3617325	NonCancer	1.42E-03	1.42E-03	4.49E-04	0.00E+00	0.00E+00	1.42E-03	2.40E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
1637	ALL	residential	485230.6	3620625	NonCancer	1.42E-03	1.42E-03	4.49E-04	0.00E+00	0.00E+00	1.42E-03	2.40E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
432	ALL	residential	488530.6	3617725	NonCancer	1.42E-03	1.42E-03	4.49E-04	0.00E+00	0.00E+00	1.42E-03	2.40E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
988	ALL	residential	487930.6	3619125	NonCancer	1.42E-03	1.42E-03	4.49E-04	0.00E+00	0.00E+00	1.42E-03	2.40E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
556	ALL	residential	488630.6	3618025	NonCancer	1.42E-03	1.42E-03	4.49E-04	0.00E+00	0.00E+00	1.42E-03	2.40E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
659	ALL	residential	488430.6	3618325	NonCancer	1.42E-03	1.42E-03	4.49E-04	0.00E+00	0.00E+00	1.42E-03	2.40E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
985	ALL	residential	487630.6	3619125	NonCancer	1.42E-03	1.42E-03	4.49E-04	0.00E+00	0.00E+00	1.42E-03	2.39E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
1038	ALL	residential	487330.6	3619225	NonCancer	1.42E-03	1.42E-03	4.48E-04	0.00E+00	0.00E+00	1.42E-03	2.39E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
527	ALL	residential	483330.6	3618025	NonCancer	1.42E-03	1.42E-03	4.48E-04	0.00E+00	0.00E+00	1.42E-03	2.39E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
445	ALL	residential	483430.6	3617825	NonCancer	1.42E-03	1.42E-03	4.48E-04	0.00E+00	0.00E+00	1.42E-03	2.39E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
1039	ALL	residential	487430.6	3619225	NonCancer	1.42E-03	1.42E-03	4.48E-04	0.00E+00	0.00E+00	1.42E-03	2.39E-05	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
989	ALL	residential	488030.6	3619125	NonCancer	1.42E-03	1.42E-03	4.47E-04	0.00E+00	0.00E+00	1.42E-03	2.39E-05	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
1535	ALL	recreationa	485830.6	3620325	NonCancer	1.42E-03	1.42E-03	4.47E-04	0.00E+00	0.00E+00	1.42E-03	2.38E-05	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
475	ALL	residential	488630.6	3617825	NonCancer	1.41E-03	1.41E-03	4.46E-04	0.00E+00	0.00E+00	1.41E-03	2.38E-05	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03
276	ALL	residential	488230.6	3617225	NonCancer	1.41E-03	1.41E-03	4.46E-04	0.00E+00	0.00E+00	1.41E-03	2.38E-05	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03
565	ALL	residential	483230.6	3618125	NonCancer	1.41E-03	1.41E-03	4.45E-04	0.00E+00	0.00E+00	1.41E-03	2.38E-05	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03
392	ALL	residential	488630.6	3617625	NonCancer	1.41E-03	1.41E-03	4.45E-04	0.00E+00	0.00E+00	1.41E-03	2.37E-05	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03
596	ALL	residential	488830.6	3618125	NonCancer	1.41E-03	1.41E-03	4.45E-04	0.00E+00	0.00E+00	1.41E-03	2.37E-05	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03
692	ALL	residential	488330.6	3618425	NonCancer	1.41E-03	1.41E-03	4.45E-04	0.00E+00	0.00E+00	1.41E-03	2.37E-05	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03
629	ALL	residential	488630.6	3618225	NonCancer	1.41E-03	1.41E-03	4.44E-04	0.00E+00	0.00E+00	1.41E-03	2.37E-05	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03
245	ALL	residential	487730.6	3617025	NonCancer	1.41E-03	1.41E-03	4.43E-04	0.00E+00	0.00E+00	1.41E-03	2.37E-05	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03
763	ALL	residential	488130.6	3618625	NonCancer	1.40E-03	1.40E-03	4.43E-04	0.00E+00	0.00E+00	1.40E-03	2.36E-05	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
1494	ALL	recreationa	485930.6	3620225	NonCancer	1.40E-03	1.40E-03	4.42E-04	0.00E+00	0.00E+00	1.40E-03	2.36E-05	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
845	ALL	recreationa	484030.6	3618925	NonCancer	1.40E-03	1.40E-03	4.42E-04	0.00E+00	0.00E+00	1.40E-03	2.36E-05	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
1095	ALL	residential	487230.6	3619325	NonCancer	1.40E-03	1.40E-03	4.41E-04	0.00E+00	0.00E+00	1.40E-03	2.36E-05	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
518	ALL	residential	488730.6	3617925	NonCancer	1.40E-03	1.40E-03	4.41E-04	0.00E+00	0.00E+00	1.40E-03	2.35E-05	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
1386	ALL	residential	484230.6	3620025	NonCancer	1.40E-03	1.40E-03	4.41E-04	0.00E+00	0.00E+00	1.40E-03	2.35E-05	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
1634	ALL	residential	484530.6	3620625	NonCancer	1.40E-03	1.40E-03	4.41E-04	0.00E+00	0.00E+00	1.40E-03	2.35E-05	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
660	ALL	residential	488530.6	3618325	NonCancer	1.40E-03	1.40E-03	4.41E-04	0.00E+00	0.00E+00	1.40E-03	2.35E-05	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
987	ALL	residential	487830.6	3619125	NonCancer	1.40E-03	1.40E-03	4.41E-04	0.00E+00	0.00E+00	1.40E-03	2.35E-05	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
950	ALL	recreationa	484030.6	3619125	NonCancer	1.40E-03	1.40E-03	4.40E-04	0.00E+00	0.00E+00	1.40E-03	2.35E-05	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
1124	ALL	residential	484230.6	3619425	NonCancer	1.39E-03	1.39E-03	4.40E-04	0.00E+00	0.00E+00	1.39E-03	2.35E-05	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03
277	ALL	residential	488330.6	3617225	NonCancer	1.39E-03	1.39E-03	4.40E-04	0.00E+00	0.00E+00	1.39E-03	2.35E-05	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03
951	ALL	recreationa	484130.6	3619125	NonCancer	1.39E-03	1.39E-03	4.38E-04	0.00E+00	0.00E+00	1.39E-03	2.34E-05	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03
248	ALL	residential	488030.6	3617025	NonCancer	1.39E-03	1.39E-03	4.38E-04	0.00E+00	0.00E+00	1.39E-03	2.34E-05	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03
724	ALL	residential	488030.6	3618525	NonCancer	1.39E-03	1.39E-03	4.37E-04	0.00E+00	0.00E+00	1.39E-03	2.33E-05	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03
557	ALL	residential	488730.6	3618025	NonCancer	1.39E-03	1.39E-03	4.37E-04	0.00E+00	0.00E+00	1.39E-03	2.33E-05	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03
356	ALL	residential	488730.6	3617525	NonCancer	1.39E-03	1.39E-03	4.37E-04	0.00E+00	0.00E+00	1.39E-03	2.33E-05	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03
324	ALL	residential	488730.6	3617425	NonCancer	1.39E-03	1.39E-03	4.37E-04	0.00E+00	0.00E+00	1.39E-03	2.33E-05	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03
603	ALL	residential	483330.6	3618225	NonCancer	1.38E-03	1.38E-03	4.37E-04	0.00E+00	0.00E+00	1.38E-03	2.33E-05	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
953	ALL	recreationa	484330.6	3619125	NonCancer	1.38E-03	1.38E-03	4.36E-04	0.00E+00	0.00E+00	1.38E-03	2.33E-05	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
1040	ALL	residential	487530.6	3619225	NonCancer	1.38E-03	1.38E-03	4.36E-04	0.00E+00	0.00E+00	1.38E-03	2.33E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
301	ALL	residential	488330.6	3617325	NonCancer	1.38E-03	1.38E-03	4.36E-04	0.00E+00	0.00E+00	1.38E-03	2.32E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
1995	ALL	Worker	484300	3619100	NonCancer	1.38E-03	1.38E-03	4.35E-04	0.00E+00	0.00E+00	1.38E-03	2.32E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
1096	ALL	residential	487330.6	3619325	NonCancer	1.38E-03	1.38E-03	4.36E-04	0.00E+00	0.00E+00	1.38E-03	2.32E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
476	ALL	residential	488730.6	3617825	NonCancer	1.38E-03	1.38E-03	4.35E-04	0.00E+00	0.00E+00	1.38E-03	2.32E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
278	ALL	residential	488430.6	3617225	NonCancer	1.38E-03	1.38E-03	4.35E-04	0.00E+00	0.00E+00	1.38E-03	2.32E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
433	ALL	residential	488630.6	3617725	NonCancer	1.38E-03	1.38E-03	4.35E-04	0.00E+00	0.00E+00	1.38E-03	2.32E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
1559	ALL	residential	484230.6	3620425	NonCancer	1.38E-03	1.38E-03	4.35E-04	0.00E+00	0.00E+00	1.38E-03	2.32E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
883	ALL	residential	488330.6	3618925	NonCancer	1.38E-03	1.38E-03	4.35E-04	0.00E+00	0.00E+00	1.38E-03	2.32E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
661	ALL	residential	488630.6	3618325	NonCancer	1.38E-03	1.38E-03	4.34E-04	0.00E+00	0.00E+00	1.38E-03	2.32E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
1574	ALL	recreationa	485730.6	3620425	NonCancer	1.38E-03	1.38E-03	4.34E-04	0.00E+00	0.00E+00	1.38E-03	2.32E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
1094	ALL	residential	487130.6	3619325	NonCancer	1.37E-03	1.37E-03	4.33E-04	0.00E+00	0.00E+00	1.37E-03	2.31E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
1610	ALL	recreationa	485530.6	3620525	NonCancer	1.37E-03	1.37E-03	4.33E-04	0.00E+00	0.00E+00	1.37E-03	2.31E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
401	ALL	residential	483330.6	3617725	NonCancer	1.37E-03	1.37E-03	4.33E-04	0.00E+00	0.00E+00	1.37E-03	2.31E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
393	ALL	residential	488730.6	3617625	NonCancer	1.37E-03	1.37E-03	4.32E-04	0.00E+00	0.00E+00	1.37E-03	2.31E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
630	ALL	residential	488730.6	3618225	NonCancer	1.37E-03	1.37E-03	4.32E-04	0.00E+00	0.00E+00	1.37E-03	2.30E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
1597	ALL	residential	484230.6	3620525	NonCancer	1.37E-03	1.37E-03	4.32E-04	0.00E+00	0.00E+00	1.37E-03	2.30E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
486	ALL	residential	483330.6	3617925	NonCancer	1.37E-03	1.37E-03	4.31E-04	0.00E+00	0.00E+00	1.37E-03	2.30E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
952	ALL	recreationa	484230.6	3619125	NonCancer	1.37E-03	1.37E-03	4.31E-04	0.00E+00	0.00E+00	1.37E-03	2.30E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
597	ALL	residential	488930.6	3618125	NonCancer	1.37E-03	1.37E-03	4.31E-04	0.00E+00	0.00E+00	1.37E-03	2.30E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
984	ALL	residential	487530.6	3619125	NonCancer	1.37E-03	1.37E-03	4.31E-04	0.00E+00	0.00E+00	1.37E-03	2.30E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
693	ALL	residential	488430.6	3618425	NonCancer	1.36E-03	1.36E-03	4.31E-04	0.00E+00	0.00E+00	1.36E-03	2.30E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
519	ALL	residential	488830.6	3617925	NonCancer	1.36E-03	1.36E-03	4.31E-04	0.00E+00	0.00E+00	1.36E-03	2.30E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
1341	ALL	residential	484130.6	3619925	NonCancer	1.36E-03	1.36E-03	4.30E-04	0.00E+00	0.00E+00	1.36E-03	2.30E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
662	ALL	residential	488730.6	3618325	NonCancer	1.36E-03	1.36E-03	4.30E-04	0.00E+00	0.00E+00	1.36E-03	2.30E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
1599	ALL	residential	484430.6	3620525	NonCancer	1.36E-03	1.36E-03	4.30E-04	0.00E+00	0.00E+00	1.36E-03	2.29E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
259	ALL	residential	488330.6	3617125	NonCancer	1.36E-03	1.36E-03	4.29E-04	0.00E+00	0.00E+00	1.36E-03	2.29E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
1636	ALL	residential	485130.6	3620625	NonCancer	1.36E-03	1.36E-03	4.28E-04	0.00E+00	0.00E+00	1.36E-03	2.28E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
564	ALL	residential	483130.6	3618125	NonCancer	1.36E-03	1.36E-03	4.28E-04	0.00E+00	0.00E+00	1.36E-03	2.28E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
250	ALL	residential	488230.6	3617025	NonCancer	1.36E-03	1.36E-03	4.28E-04	0.00E+00	0.00E+00	1.36E-03	2.28E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
526	ALL	residential	483230.6	3618025	NonCancer	1.35E-03	1.35E-03	4.27E-04	0.00E+00	0.00E+00	1.35E-03	2.28E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
1432	ALL	residential	484230.6	3620125	NonCancer	1.35E-03	1.35E-03	4.27E-04	0.00E+00	0.00E+00	1.35E-03	2.28E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
444	ALL	residential	483330.6	3617825	NonCancer	1.35E-03	1.35E-03	4.27E-04	0.00E+00	0.00E+00	1.35E-03	2.28E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
1598	ALL	residential	484330.6	3620525	NonCancer	1.35E-03	1.35E-03	4.26E-04	0.00E+00	0.00E+00	1.35E-03	2.28E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
726	ALL	residential	488230.6	3618525	NonCancer	1.35E-03	1.35E-03	4.26E-04	0.00E+00	0.00E+00	1.35E-03	2.27E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
949	ALL	recreationa	483930.6	3619125	NonCancer	1.35E-03	1.35E-03	4.26E-04	0.00E+00	0.00E+00	1.35E-03	2.27E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
477	ALL	residential	488830.6	3617825	NonCancer	1.35E-03	1.35E-03	4.26E-04	0.00E+00	0.00E+00	1.35E-03	2.27E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
233	ALL	residential	487830.6	3616925	NonCancer	1.35E-03	1.35E-03	4.26E-04	0.00E+00	0.00E+00	1.35E-03	2.27E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
558	ALL	residential	488830.6	3618025	NonCancer	1.35E-03	1.35E-03	4.25E-04	0.00E+00	0.00E+00	1.35E-03	2.27E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
841	ALL	residential	488330.6	3618825	NonCancer	1.35E-03	1.35E-03	4.25E-04	0.00E+00	0.00E+00	1.35E-03	2.27E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
325	ALL	residential	488830.6	3617425	NonCancer	1.35E-03	1.35E-03	4.25E-04	0.00E+00	0.00E+00	1.35E-03	2.27E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
357	ALL	residential	488830.6	3617525	NonCancer	1.35E-03	1.35E-03	4.25E-04	0.00E+00	0.00E+00	1.35E-03	2.27E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
260	ALL	residential	488430.6	3617125	NonCancer	1.35E-03	1.35E-03	4.24E-04	0.00E+00	0.00E+00	1.35E-03	2.27E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
631	ALL	residential	488830.6	3618225	NonCancer	1.34E-03	1.34E-03	4.24E-04	0.00E+00	0.00E+00	1.34E-03	2.26E-05	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
602	ALL	residential	483230.6	3618225	NonCancer	1.34E-03	1.34E-03	4.24E-04	0.00E+00	0.00E+00	1.34E-03	2.26E-05	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
362	ALL	residential	483330.6	3617625	NonCancer	1.34E-03	1.34E-03	4.24E-04	0.00E+00	0.00E+00	1.34E-03	2.26E-05	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
1009	ALL	residential	484330.6	3619225	NonCancer	1.34E-03	1.34E-03	4.24E-04	0.00E+00	0.00E+00	1.34E-03	2.26E-05	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
727	ALL	residential	488330.6	3618525	NonCancer	1.34E-03	1.34E-03	4.24E-04	0.00E+00	0.00E+00	1.34E-03	2.26E-05	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
1639	ALL	residential	485430.6	3620625	NonCancer	1.34E-03	1.34E-03	4.23E-04	0.00E+00	0.00E+00	1.34E-03	2.26E-05	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
663	ALL	residential	488830.6	3618325	NonCancer	1.34E-03	1.34E-03	4.22E-04	0.00E+00	0.00E+00	1.34E-03	2.25E-05	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
1385	ALL	residential	484130.6	3620025	NonCancer	1.34E-03	1.34E-03	4.22E-04	0.00E+00	0.00E+00	1.34E-03	2.25E-05	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
1666	ALL	residential	484530.6	3620725	NonCancer	1.34E-03	1.34E-03	4.21E-04	0.00E+00	0.00E+00	1.34E-03	2.25E-05	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
842	ALL	residential	488430.6	3618825	NonCancer	1.34E-03	1.34E-03	4.21E-04	0.00E+00	0.00E+00	1.34E-03	2.25E-05	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
249	ALL	residential	488130.6	3617025	NonCancer	1.33E-03	1.33E-03	4.21E-04	0.00E+00	0.00E+00	1.33E-03	2.25E-05	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
434	ALL	residential	488730.6	3617725	NonCancer	1.33E-03	1.33E-03	4.21E-04	0.00E+00	0.00E+00	1.33E-03	2.24E-05	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
1045	ALL	residential	488030.6	3619225	NonCancer	1.33E-03	1.33E-03	4.21E-04	0.00E+00	0.00E+00	1.33E-03	2.24E-05	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
1299	ALL	residential	484130.6	3619825	NonCancer	1.33E-03	1.33E-03	4.20E-04	0.00E+00	0.00E+00	1.33E-03	2.24E-05	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
394	ALL	residential	488830.6	3617625	NonCancer	1.33E-03	1.33E-03	4.20E-04	0.00E+00	0.00E+00	1.33E-03	2.24E-05	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
1631	ALL	residential	484230.6	3620625	NonCancer	1.33E-03	1.33E-03	4.19E-04	0.00E+00	0.00E+00	1.33E-03	2.24E-05	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
725	ALL	residential	488130.6	3618525	NonCancer	1.33E-03	1.33E-03	4.19E-04	0.00E+00	0.00E+00	1.33E-03	2.24E-05	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
520	ALL	residential	488930.6	3617925	NonCancer	1.33E-03	1.33E-03	4.18E-04	0.00E+00	0.00E+00	1.33E-03	2.23E-05	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
1633	ALL	residential	484430.6	3620625	NonCancer	1.32E-03	1.32E-03	4.18E-04	0.00E+00	0.00E+00	1.32E-03	2.23E-05	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
358	ALL	residential	488930.6	3617525	NonCancer	1.32E-03	1.32E-03	4.17E-04	0.00E+00	0.00E+00	1.32E-03	2.22E-05	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
803	ALL	residential	488330.6	3618725	NonCancer	1.32E-03	1.32E-03	4.17E-04	0.00E+00	0.00E+00	1.32E-03	2.22E-05	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
326	ALL	residential	488930.6	3617425	NonCancer	1.32E-03	1.32E-03	4.16E-04	0.00E+00	0.00E+00	1.32E-03	2.22E-05	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
598	ALL	residential	489030.6	3618125	NonCancer	1.32E-03	1.32E-03	4.16E-04	0.00E+00	0.00E+00	1.32E-03	2.22E-05	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
478	ALL	residential	488930.6	3617825	NonCancer	1.32E-03	1.32E-03	4.16E-04	0.00E+00	0.00E+00	1.32E-03	2.22E-05	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
990	ALL	residential	488130.6	3619125	NonCancer	1.32E-03	1.32E-03	4.15E-04	0.00E+00	0.00E+00	1.32E-03	2.22E-05	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
251	ALL	residential	488330.6	3617025	NonCancer	1.32E-03	1.32E-03	4.15E-04	0.00E+00	0.00E+00	1.32E-03	2.22E-05	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
728	ALL	residential	488430.6	3618525	NonCancer	1.32E-03	1.32E-03	4.15E-04	0.00E+00	0.00E+00	1.32E-03	2.21E-05	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
400	ALL	residential	483230.6	3617725	NonCancer	1.32E-03	1.32E-03	4.15E-04	0.00E+00	0.00E+00	1.32E-03	2.21E-05	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
694	ALL	residential	488530.6	3618425	NonCancer	1.31E-03	1.31E-03	4.15E-04	0.00E+00	0.00E+00	1.31E-03	2.21E-05	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
632	ALL	residential	488930.6	3618225	NonCancer	1.31E-03	1.31E-03	4.14E-04	0.00E+00	0.00E+00	1.31E-03	2.21E-05	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
485	ALL	residential	483230.6	3617925	NonCancer	1.31E-03	1.31E-03	4.14E-04	0.00E+00	0.00E+00	1.31E-03	2.21E-05	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
559	ALL	residential	488930.6	3618025	NonCancer	1.31E-03	1.31E-03	4.13E-04	0.00E+00	0.00E+00	1.31E-03	2.20E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
1041	ALL	residential	487630.6	3619225	NonCancer	1.31E-03	1.31E-03	4.13E-04	0.00E+00	0.00E+00	1.31E-03	2.20E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
1519	ALL	residential	484230.6	3620325	NonCancer	1.31E-03	1.31E-03	4.13E-04	0.00E+00	0.00E+00	1.31E-03	2.20E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
764	ALL	residential	488230.6	3618625	NonCancer	1.31E-03	1.31E-03	4.13E-04	0.00E+00	0.00E+00	1.31E-03	2.20E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
664	ALL	residential	488930.6	3618325	NonCancer	1.31E-03	1.31E-03	4.12E-04	0.00E+00	0.00E+00	1.31E-03	2.20E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
1632	ALL	residential	484330.6	3620625	NonCancer	1.31E-03	1.31E-03	4.12E-04	0.00E+00	0.00E+00	1.31E-03	2.20E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
1044	ALL	residential	487930.6	3619225	NonCancer	1.30E-03	1.30E-03	4.11E-04	0.00E+00	0.00E+00	1.30E-03	2.19E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
1152	ALL	residential	487130.6	3619425	NonCancer	1.30E-03	1.30E-03	4.11E-04	0.00E+00	0.00E+00	1.30E-03	2.19E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
1665	ALL	residential	484430.6	3620725	NonCancer	1.30E-03	1.30E-03	4.11E-04	0.00E+00	0.00E+00	1.30E-03	2.19E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
601	ALL	residential	483130.6	3618225	NonCancer	1.30E-03	1.30E-03	4.10E-04	0.00E+00	0.00E+00	1.30E-03	2.19E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
525	ALL	residential	483130.6	3618025	NonCancer	1.30E-03	1.30E-03	4.10E-04	0.00E+00	0.00E+00	1.30E-03	2.19E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
563	ALL	residential	483030.6	3618125	NonCancer	1.30E-03	1.30E-03	4.09E-04	0.00E+00	0.00E+00	1.30E-03	2.18E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
236	ALL	residential	488130.6	3616925	NonCancer	1.30E-03	1.30E-03	4.09E-04	0.00E+00	0.00E+00	1.30E-03	2.18E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
302	ALL	residential	488830.6	3617325	NonCancer	1.30E-03	1.30E-03	4.09E-04	0.00E+00	0.00E+00	1.30E-03	2.18E-05	0.00E+00	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
239	ALL	residential	488430.6	3616925	NonCancer	1.29E-03	1.29E-03	4.08E-04	0.00E+00	0.00E+00	1.29E-03	2.18E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
435	ALL	residential	488830.6	3617725	NonCancer	1.29E-03	1.29E-03	4.08E-04	0.00E+00	0.00E+00	1.29E-03	2.18E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
1098	ALL	residential	487530.6	3619325	NonCancer	1.29E-03	1.29E-03	4.08E-04	0.00E+00	0.00E+00	1.29E-03	2.18E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
443	ALL	residential	483230.6	3617825	NonCancer	1.29E-03	1.29E-03	4.08E-04	0.00E+00	0.00E+00	1.29E-03	2.17E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
359	ALL	residential	489030.6	3617525	NonCancer	1.29E-03	1.29E-03	4.07E-04	0.00E+00	0.00E+00	1.29E-03	2.17E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
234	ALL	residential	487930.6	3616925	NonCancer	1.29E-03	1.29E-03	4.06E-04	0.00E+00	0.00E+00	1.29E-03	2.17E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
303	ALL	residential	488930.6	3617325	NonCancer	1.29E-03	1.29E-03	4.06E-04	0.00E+00	0.00E+00	1.29E-03	2.17E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
1005	ALL	recreationa	483930.6	3619225	NonCancer	1.29E-03	1.29E-03	4.06E-04	0.00E+00	0.00E+00	1.29E-03	2.17E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
521	ALL	residential	489030.6	3617925	NonCancer	1.29E-03	1.29E-03	4.05E-04	0.00E+00	0.00E+00	1.29E-03	2.16E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
238	ALL	residential	488330.6	3616925	NonCancer	1.28E-03	1.28E-03	4.05E-04	0.00E+00	0.00E+00	1.28E-03	2.16E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
895	ALL	recreationa	483930.6	3619025	NonCancer	1.28E-03	1.28E-03	4.05E-04	0.00E+00	0.00E+00	1.28E-03	2.16E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
395	ALL	residential	488930.6	3617625	NonCancer	1.28E-03	1.28E-03	4.05E-04	0.00E+00	0.00E+00	1.28E-03	2.16E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
1260	ALL	residential	484130.6	3619725	NonCancer	1.28E-03	1.28E-03	4.05E-04	0.00E+00	0.00E+00	1.28E-03	2.16E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
479	ALL	residential	489030.6	3617825	NonCancer	1.28E-03	1.28E-03	4.04E-04	0.00E+00	0.00E+00	1.28E-03	2.16E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
327	ALL	residential	489030.6	3617425	NonCancer	1.28E-03	1.28E-03	4.04E-04	0.00E+00	0.00E+00	1.28E-03	2.16E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
1043	ALL	residential	487830.6	3619225	NonCancer	1.28E-03	1.28E-03	4.04E-04	0.00E+00	0.00E+00	1.28E-03	2.16E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
1611	ALL	recreationa	485630.6	3620525	NonCancer	1.28E-03	1.28E-03	4.04E-04	0.00E+00	0.00E+00	1.28E-03	2.15E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
361	ALL	residential	483230.6	3617625	NonCancer	1.28E-03	1.28E-03	4.03E-04	0.00E+00	0.00E+00	1.28E-03	2.15E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
261	ALL	residential	488630.6	3617125	NonCancer	1.28E-03	1.28E-03	4.03E-04	0.00E+00	0.00E+00	1.28E-03	2.15E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
1097	ALL	residential	487430.6	3619325	NonCancer	1.28E-03	1.28E-03	4.03E-04	0.00E+00	0.00E+00	1.28E-03	2.15E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
1006	ALL	recreationa	484030.6	3619225	NonCancer	1.28E-03	1.28E-03	4.03E-04	0.00E+00	0.00E+00	1.28E-03	2.15E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
633	ALL	residential	489030.6	3618225	NonCancer	1.28E-03	1.28E-03	4.02E-04	0.00E+00	0.00E+00	1.28E-03	2.15E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
1431	ALL	residential	484130.6	3620125	NonCancer	1.27E-03	1.27E-03	4.02E-04	0.00E+00	0.00E+00	1.27E-03	2.14E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
1008	ALL	residential	484230.6	3619225	NonCancer	1.27E-03	1.27E-03	4.01E-04	0.00E+00	0.00E+00	1.27E-03	2.14E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
695	ALL	residential	488630.6	3618425	NonCancer	1.27E-03	1.27E-03	4.01E-04	0.00E+00	0.00E+00	1.27E-03	2.14E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
1575	ALL	recreationa	485830.6	3620425	NonCancer	1.27E-03	1.27E-03	4.01E-04	0.00E+00	0.00E+00	1.27E-03	2.14E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
1640	ALL	recreationa	485530.6	3620625	NonCancer	1.27E-03	1.27E-03	4.00E-04	0.00E+00	0.00E+00	1.27E-03	2.13E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
1042	ALL	residential	487730.6	3619225	NonCancer	1.27E-03	1.27E-03	4.00E-04	0.00E+00	0.00E+00	1.27E-03	2.14E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
560	ALL	residential	489030.6	3618025	NonCancer	1.27E-03	1.27E-03	4.00E-04	0.00E+00	0.00E+00	1.27E-03	2.13E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
599	ALL	residential	489130.6	3618125	NonCancer	1.27E-03	1.27E-03	4.00E-04	0.00E+00	0.00E+00	1.27E-03	2.13E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
304	ALL	residential	489030.6	3617325	NonCancer	1.27E-03	1.27E-03	4.00E-04	0.00E+00	0.00E+00	1.27E-03	2.13E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
1477	ALL	residential	484230.6	3620225	NonCancer	1.27E-03	1.27E-03	4.00E-04	0.00E+00	0.00E+00	1.27E-03	2.13E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
1099	ALL	residential	487630.6	3619325	NonCancer	1.27E-03	1.27E-03	3.99E-04	0.00E+00	0.00E+00	1.27E-03	2.13E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
600	ALL	residential	483030.6	3618225	NonCancer	1.27E-03	1.27E-03	3.99E-04	0.00E+00	0.00E+00	1.27E-03	2.13E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
729	ALL	residential	488530.6	3618525	NonCancer	1.27E-03	1.27E-03	3.99E-04	0.00E+00	0.00E+00	1.27E-03	2.13E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
240	ALL	residential	488530.6	3616925	NonCancer	1.26E-03	1.26E-03	3.98E-04	0.00E+00	0.00E+00	1.26E-03	2.13E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
1004	ALL	recreationa	483830.6	3619225	NonCancer	1.26E-03	1.26E-03	3.98E-04	0.00E+00	0.00E+00	1.26E-03	2.12E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
1007	ALL	recreationa	484130.6	3619225	NonCancer	1.26E-03	1.26E-03	3.98E-04	0.00E+00	0.00E+00	1.26E-03	2.12E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
1178	ALL	residential	484130.6	3619525	NonCancer	1.26E-03	1.26E-03	3.98E-04	0.00E+00	0.00E+00	1.26E-03	2.12E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
1155	ALL	residential	487430.6	3619425	NonCancer	1.26E-03	1.26E-03	3.98E-04	0.00E+00	0.00E+00	1.26E-03	2.12E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
1630	ALL	residential	484130.6	3620625	NonCancer	1.26E-03	1.26E-03	3.98E-04	0.00E+00	0.00E+00	1.26E-03	2.12E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
399	ALL	residential	483130.6	3617725	NonCancer	1.26E-03	1.26E-03	3.98E-04	0.00E+00	0.00E+00	1.26E-03	2.12E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
237	ALL	residential	488230.6	3616925	NonCancer	1.26E-03	1.26E-03	3.97E-04	0.00E+00	0.00E+00	1.26E-03	2.12E-05	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
1154	ALL	residential	487330.6	3619425	NonCancer	1.26E-03	1.26E-03	3.97E-04	0.00E+00	0.00E+00	1.26E-03	2.12E-05	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
1662	ALL	residential	484130.6	3620725	NonCancer	1.26E-03	1.26E-03	3.97E-04	0.00E+00	0.00E+00	1.26E-03	2.12E-05	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
484	ALL	residential	483130.6	3617925	NonCancer	1.26E-03	1.26E-03	3.96E-04	0.00E+00	0.00E+00	1.26E-03	2.11E-05	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
1663	ALL	residential	484230.6	3620725	NonCancer	1.26E-03	1.26E-03	3.96E-04	0.00E+00	0.00E+00	1.26E-03	2.11E-05	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
1664	ALL	residential	484330.6	3620725	NonCancer	1.25E-03	1.25E-03	3.95E-04	0.00E+00	0.00E+00	1.25E-03	2.11E-05	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
360	ALL	residential	489130.6	3617525	NonCancer	1.25E-03	1.25E-03	3.95E-04	0.00E+00	0.00E+00	1.25E-03	2.11E-05	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
1536	ALL	recreationa	485930.6	3620325	NonCancer	1.25E-03	1.25E-03	3.95E-04	0.00E+00	0.00E+00	1.25E-03	2.11E-05	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
1219	ALL	residential	484130.6	3619625	NonCancer	1.25E-03	1.25E-03	3.94E-04	0.00E+00	0.00E+00	1.25E-03	2.10E-05	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
522	ALL	residential	489130.6	3617925	NonCancer	1.25E-03	1.25E-03	3.94E-04	0.00E+00	0.00E+00	1.25E-03	2.10E-05	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
436	ALL	residential	488930.6	3617725	NonCancer	1.25E-03	1.25E-03	3.94E-04	0.00E+00	0.00E+00	1.25E-03	2.10E-05	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
562	ALL	residential	482930.6	3618125	NonCancer	1.25E-03	1.25E-03	3.93E-04	0.00E+00	0.00E+00	1.25E-03	2.10E-05	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
480	ALL	residential	489130.6	3617825	NonCancer	1.25E-03	1.25E-03	3.93E-04	0.00E+00	0.00E+00	1.25E-03	2.10E-05	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
1066	ALL	residential	484230.6	3619325	NonCancer	1.25E-03	1.25E-03	3.93E-04	0.00E+00	0.00E+00	1.25E-03	2.10E-05	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
305	ALL	residential	489130.6	3617325	NonCancer	1.25E-03	1.25E-03	3.93E-04	0.00E+00	0.00E+00	1.25E-03	2.10E-05	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
328	ALL	residential	489130.6	3617425	NonCancer	1.24E-03	1.24E-03	3.92E-04	0.00E+00	0.00E+00	1.24E-03	2.09E-05	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03
1713	ALL	residential	484430.6	3620825	NonCancer	1.24E-03	1.24E-03	3.92E-04	0.00E+00	0.00E+00	1.24E-03	2.09E-05	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03
524	ALL	residential	483030.6	3618025	NonCancer	1.24E-03	1.24E-03	3.91E-04	0.00E+00	0.00E+00	1.24E-03	2.09E-05	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03
396	ALL	residential	489030.6	3617625	NonCancer	1.24E-03	1.24E-03	3.91E-04	0.00E+00	0.00E+00	1.24E-03	2.09E-05	0.00E+00	1.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03
442	ALL	residential	483130.6	3617825	NonCancer	1.24E-03	1.24E-03	3.90E-04	0.00E+00	0.00E+00	1.24E-03	2.08E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03
1100	ALL	residential	487730.6	3619325	NonCancer	1.24E-03	1.24E-03	3.90E-04	0.00E+00	0.00E+00	1.24E-03	2.08E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03
696	ALL	residential	488730.6	3618425	NonCancer	1.23E-03	1.23E-03	3.89E-04	0.00E+00	0.00E+00	1.23E-03	2.08E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
279	ALL	residential	488830.6	3617225	NonCancer	1.23E-03	1.23E-03	3.89E-04	0.00E+00	0.00E+00	1.23E-03	2.07E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
262	ALL	residential	488830.6	3617125	NonCancer	1.23E-03	1.23E-03	3.89E-04	0.00E+00	0.00E+00	1.23E-03	2.07E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
1153	ALL	residential	487230.6	3619425	NonCancer	1.23E-03	1.23E-03	3.89E-04	0.00E+00	0.00E+00	1.23E-03	2.07E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
1710	ALL	residential	484130.6	3620825	NonCancer	1.23E-03	1.23E-03	3.88E-04	0.00E+00	0.00E+00	1.23E-03	2.07E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
1612	ALL	recreationa	485730.6	3620525	NonCancer	1.22E-03	1.22E-03	3.86E-04	0.00E+00	0.00E+00	1.22E-03	2.06E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
561	ALL	residential	489130.6	3618025	NonCancer	1.22E-03	1.22E-03	3.86E-04	0.00E+00	0.00E+00	1.22E-03	2.06E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
235	ALL	residential	488030.6	3616925	NonCancer	1.22E-03	1.22E-03	3.86E-04	0.00E+00	0.00E+00	1.22E-03	2.06E-05	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
229	ALL	residential	488530.6	3616825	NonCancer	1.22E-03	1.22E-03	3.86E-04	0.00E+00	0.00E+00	1.22E-03	2.06E-05	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
228	ALL	residential	488430.6	3616825	NonCancer	1.22E-03	1.22E-03	3.85E-04	0.00E+00	0.00E+00	1.22E-03	2.05E-05	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
635	ALL	residential	483130.6	3618325	NonCancer	1.22E-03	1.22E-03	3.84E-04	0.00E+00	0.00E+00	1.22E-03	2.05E-05	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
948	ALL	recreationa	483830.6	3619125	NonCancer	1.22E-03	1.22E-03	3.84E-04	0.00E+00	0.00E+00	1.22E-03	2.05E-05	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
804	ALL	residential	488430.6	3618725	NonCancer	1.22E-03	1.22E-03	3.84E-04	0.00E+00	0.00E+00	1.22E-03	2.05E-05	0.00E+00	9.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
437	ALL	residential	489030.6	3617725	NonCancer	1.21E-03	1.21E-03	3.83E-04	0.00E+00	0.00E+00	1.21E-03	2.04E-05	0.00E+00	9.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
765	ALL	residential	488330.6	3618625	NonCancer	1.21E-03	1.21E-03	3.82E-04	0.00E+00	0.00E+00	1.21E-03	2.04E-05	0.00E+00	9.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
398	ALL	residential	483030.6	3617725	NonCancer	1.21E-03	1.21E-03	3.82E-04	0.00E+00	0.00E+00	1.21E-03	2.04E-05	0.00E+00	9.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
1712	ALL	residential	484330.6	3620825	NonCancer	1.21E-03	1.21E-03	3.81E-04	0.00E+00	0.00E+00	1.21E-03	2.03E-05	0.00E+00	9.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
230	ALL	residential	488630.6	3616825	NonCancer	1.21E-03	1.21E-03	3.81E-04	0.00E+00	0.00E+00	1.21E-03	2.03E-05	0.00E+00	9.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
280	ALL	residential	488930.6	3617225	NonCancer	1.21E-03	1.21E-03	3.81E-04	0.00E+00	0.00E+00	1.21E-03	2.03E-05	0.00E+00	9.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
483	ALL	residential	483030.6	3617925	NonCancer	1.20E-03	1.20E-03	3.80E-04	0.00E+00	0.00E+00	1.20E-03	2.03E-05	0.00E+00	9.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
263	ALL	residential	488930.6	3617125	NonCancer	1.20E-03	1.20E-03	3.80E-04	0.00E+00	0.00E+00	1.20E-03	2.03E-05	0.00E+00	9.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
224	ALL	residential	488030.6	3616825	NonCancer	1.20E-03	1.20E-03	3.79E-04	0.00E+00	0.00E+00	1.20E-03	2.02E-05	0.00E+00	9.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
730	ALL	residential	488630.6	3618525	NonCancer	1.20E-03	1.20E-03	3.79E-04	0.00E+00	0.00E+00	1.20E-03	2.02E-05	0.00E+00	9.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
227	ALL	residential	488330.6	3616825	NonCancer	1.20E-03	1.20E-03	3.78E-04	0.00E+00	0.00E+00	1.20E-03	2.02E-05	0.00E+00	9.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
397	ALL	residential	489130.6	3617625	NonCancer	1.20E-03	1.20E-03	3.78E-04	0.00E+00	0.00E+00	1.20E-03	2.02E-05	0.00E+00	9.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
1596	ALL	residential	484130.6	3620525	NonCancer	1.20E-03	1.20E-03	3.78E-04	0.00E+00	0.00E+00	1.20E-03	2.01E-05	0.00E+00	9.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
1711	ALL	residential	484230.6	3620825	NonCancer	1.20E-03	1.20E-03	3.78E-04	0.00E+00	0.00E+00	1.20E-03	2.01E-05	0.00E+00	9.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
281	ALL	residential	489030.6	3617225	NonCancer	1.20E-03	1.20E-03	3.77E-04	0.00E+00	0.00E+00	1.20E-03	2.01E-05	0.00E+00	9.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
697	ALL	residential	488830.6	3618425	NonCancer	1.19E-03	1.19E-03	3.77E-04	0.00E+00	0.00E+00	1.19E-03	2.01E-05	0.00E+00	9.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
634	ALL	residential	483030.6	3618325	NonCancer	1.19E-03	1.19E-03	3.76E-04	0.00E+00	0.00E+00	1.19E-03	2.01E-05	0.00E+00	9.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
1062	ALL	recreationa	483830.6	3619325	NonCancer	1.19E-03	1.19E-03	3.75E-04	0.00E+00	0.00E+00	1.19E-03	2.00E-05	0.00E+00	9.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
523	ALL	residential	482930.6	3618025	NonCancer	1.18E-03	1.18E-03	3.73E-04	0.00E+00	0.00E+00	1.18E-03	1.99E-05	0.00E+00	9.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
441	ALL	residential	483030.6	3617825	NonCancer	1.18E-03	1.18E-03	3.73E-04	0.00E+00	0.00E+00	1.18E-03	1.99E-05	0.00E+00	9.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
1102	ALL	residential	487930.6	3619325	NonCancer	1.18E-03	1.18E-03	3.73E-04	0.00E+00	0.00E+00	1.18E-03	1.99E-05	0.00E+00	9.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
226	ALL	residential	488230.6	3616825	NonCancer	1.18E-03	1.18E-03	3.73E-04	0.00E+00	0.00E+00	1.18E-03	1.99E-05	0.00E+00	9.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
438	ALL	residential	489130.6	3617725	NonCancer	1.18E-03	1.18E-03	3.72E-04	0.00E+00	0.00E+00	1.18E-03	1.99E-05	0.00E+00	9.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
1746	ALL	residential	484330.6	3620925	NonCancer	1.18E-03	1.18E-03	3.72E-04	0.00E+00	0.00E+00	1.18E-03	1.98E-05	0.00E+00	9.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
1157	ALL	residential	487630.6	3619425	NonCancer	1.18E-03	1.18E-03	3.72E-04	0.00E+00	0.00E+00	1.18E-03	1.98E-05	0.00E+00	9.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
767	ALL	residential	488530.6	3618625	NonCancer	1.18E-03	1.18E-03	3.71E-04	0.00E+00	0.00E+00	1.18E-03	1.98E-05	0.00E+00	9.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
768	ALL	residential	488630.6	3618625	NonCancer	1.18E-03	1.18E-03	3.71E-04	0.00E+00	0.00E+00	1.18E-03	1.98E-05	0.00E+00	9.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
1476	ALL	residential	484130.6	3620225	NonCancer	1.17E-03	1.17E-03	3.71E-04	0.00E+00	0.00E+00	1.17E-03	1.98E-05	0.00E+00	9.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
216	ALL	residential	488630.6	3616725	NonCancer	1.17E-03	1.17E-03	3.69E-04	0.00E+00	0.00E+00	1.17E-03	1.97E-05	0.00E+00	9.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
215	ALL	residential	488530.6	3616725	NonCancer	1.17E-03	1.17E-03	3.69E-04	0.00E+00	0.00E+00	1.17E-03	1.97E-05	0.00E+00	9.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
214	ALL	residential	488430.6	3616725	NonCancer	1.17E-03	1.17E-03	3.69E-04	0.00E+00	0.00E+00	1.17E-03	1.97E-05	0.00E+00	9.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
1063	ALL	recreationa	483930.6	3619325	NonCancer	1.17E-03	1.17E-03	3.69E-04	0.00E+00	0.00E+00	1.17E-03	1.97E-05	0.00E+00	9.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
282	ALL	residential	489130.6	3617225	NonCancer	1.17E-03	1.17E-03	3.69E-04	0.00E+00	0.00E+00	1.17E-03	1.97E-05	0.00E+00	9.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
1641	ALL	recreationa	485630.6	3620625	NonCancer	1.17E-03	1.17E-03	3.69E-04	0.00E+00	0.00E+00	1.17E-03	1.97E-05	0.00E+00	9.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
1744	ALL	residential	484130.6	3620925	NonCancer	1.17E-03	1.17E-03	3.69E-04	0.00E+00	0.00E+00	1.17E-03	1.97E-05	0.00E+00	9.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
225	ALL	residential	488130.6	3616825	NonCancer	1.17E-03	1.17E-03	3.68E-04	0.00E+00	0.00E+00	1.17E-03	1.97E-05	0.00E+00	9.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
1065	ALL	residential	484130.6	3619325	NonCancer	1.17E-03	1.17E-03	3.68E-04	0.00E+00	0.00E+00	1.17E-03	1.96E-05	0.00E+00	9.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
264	ALL	residential	489030.6	3617125	NonCancer	1.17E-03	1.17E-03	3.68E-04	0.00E+00	0.00E+00	1.17E-03	1.96E-05	0.00E+00	9.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
1064	ALL	residential	484030.6	3619325	NonCancer	1.17E-03	1.17E-03	3.68E-04	0.00E+00	0.00E+00	1.17E-03	1.96E-05	0.00E+00	9.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
1156	ALL	residential	487530.6	3619425	NonCancer	1.17E-03	1.17E-03	3.68E-04	0.00E+00	0.00E+00	1.17E-03	1.96E-05	0.00E+00	9.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
1743	ALL	residential	484030.6	3620925	NonCancer	1.16E-03	1.16E-03	3.67E-04	0.00E+00	0.00E+00	1.16E-03	1.96E-05	0.00E+00	9.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
1123	ALL	residential	484130.6	3619425	NonCancer	1.16E-03	1.16E-03	3.67E-04	0.00E+00	0.00E+00	1.16E-03	1.96E-05	0.00E+00	9.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
766	ALL	residential	488430.6	3618625	NonCancer	1.16E-03	1.16E-03	3.67E-04	0.00E+00	0.00E+00	1.16E-03	1.96E-05	0.00E+00	9.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
252	ALL	residential	489030.6	3617025	NonCancer	1.16E-03	1.16E-03	3.66E-04	0.00E+00	0.00E+00	1.16E-03	1.95E-05	0.00E+00	9.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
482	ALL	residential	482930.6	3617925	NonCancer	1.16E-03	1.16E-03	3.66E-04	0.00E+00	0.00E+00	1.16E-03	1.95E-05	0.00E+00	9.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
1613	ALL	recreationa	485830.6	3620525	NonCancer	1.16E-03	1.16E-03	3.65E-04	0.00E+00	0.00E+00	1.16E-03	1.95E-05	0.00E+00	9.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
1518	ALL	residential	484130.6	3620325	NonCancer	1.16E-03	1.16E-03	3.65E-04	0.00E+00	0.00E+00	1.16E-03	1.95E-05	0.00E+00	9.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
1576	ALL	recreationa	485930.6	3620425	NonCancer	1.16E-03	1.16E-03	3.65E-04	0.00E+00	0.00E+00	1.16E-03	1.95E-05	0.00E+00	9.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
1709	ALL	residential	484030.6	3620825	NonCancer	1.16E-03	1.16E-03	3.65E-04	0.00E+00	0.00E+00	1.16E-03	1.95E-05	0.00E+00	9.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
1745	ALL	residential	484230.6	3620925	NonCancer	1.16E-03	1.16E-03	3.65E-04	0.00E+00	0.00E+00	1.16E-03	1.95E-05	0.00E+00	9.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
213	ALL	residential	488330.6	3616725	NonCancer	1.16E-03	1.16E-03	3.64E-04	0.00E+00	0.00E+00	1.16E-03	1.94E-05	0.00E+00	9.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
1158	ALL	residential	487730.6	3619425	NonCancer	1.16E-03	1.16E-03	3.64E-04	0.00E+00	0.00E+00	1.16E-03	1.94E-05	0.00E+00	9.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
731	ALL	residential	488730.6	3618525	NonCancer	1.15E-03	1.15E-03	3.64E-04	0.00E+00	0.00E+00	1.15E-03	1.94E-05	0.00E+00	9.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
1159	ALL	residential	487830.6	3619425	NonCancer	1.15E-03	1.15E-03	3.63E-04	0.00E+00	0.00E+00	1.15E-03	1.94E-05	0.00E+00	9.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
217	ALL	residential	488730.6	3616725	NonCancer	1.15E-03	1.15E-03	3.62E-04	0.00E+00	0.00E+00	1.15E-03	1.93E-05	0.00E+00	9.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
1558	ALL	residential	484130.6	3620425	NonCancer	1.14E-03	1.14E-03	3.60E-04	0.00E+00	0.00E+00	1.14E-03	1.92E-05	0.00E+00	9.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
1770	ALL	residential	484030.6	3621025	NonCancer	1.14E-03	1.14E-03	3.60E-04	0.00E+00	0.00E+00	1.14E-03	1.92E-05	0.00E+00	9.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
218	ALL	residential	488830.6	3616725	NonCancer	1.14E-03	1.14E-03	3.59E-04	0.00E+00	0.00E+00	1.14E-03	1.92E-05	0.00E+00	9.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
205	ALL	residential	488630.6	3616625	NonCancer	1.14E-03	1.14E-03	3.58E-04	0.00E+00	0.00E+00	1.14E-03	1.91E-05	0.00E+00	9.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
440	ALL	residential	482930.6	3617825	NonCancer	1.13E-03	1.13E-03	3.58E-04	0.00E+00	0.00E+00	1.13E-03	1.91E-05	0.00E+00	9.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
203	ALL	residential	488430.6	3616625	NonCancer	1.13E-03	1.13E-03	3.57E-04	0.00E+00	0.00E+00	1.13E-03	1.90E-05	0.00E+00	9.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
265	ALL	residential	489130.6	3617125	NonCancer	1.13E-03	1.13E-03	3.57E-04	0.00E+00	0.00E+00	1.13E-03	1.90E-05	0.00E+00	9.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
204	ALL	residential	488530.6	3616625	NonCancer	1.13E-03	1.13E-03	3.56E-04	0.00E+00	0.00E+00	1.13E-03	1.90E-05	0.00E+00	9.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
206	ALL	residential	488730.6	3616625	NonCancer	1.13E-03	1.13E-03	3.56E-04	0.00E+00	0.00E+00	1.13E-03	1.90E-05	0.00E+00	9.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
805	ALL	residential	488530.6	3618725	NonCancer	1.13E-03	1.13E-03	3.55E-04	0.00E+00	0.00E+00	1.13E-03	1.90E-05	0.00E+00	9.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
207	ALL	residential	488830.6	3616625	NonCancer	1.13E-03	1.13E-03	3.55E-04	0.00E+00	0.00E+00	1.13E-03	1.89E-05	0.00E+00	9.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
211	ALL	residential	488130.6	3616725	NonCancer	1.13E-03	1.13E-03	3.55E-04	0.00E+00	0.00E+00	1.13E-03	1.89E-05	0.00E+00	9.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
241	ALL	residential	489130.6	3616925	NonCancer	1.12E-03	1.12E-03	3.55E-04	0.00E+00	0.00E+00	1.12E-03	1.89E-05	0.00E+00	9.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03
219	ALL	residential	488930.6	3616725	NonCancer	1.12E-03	1.12E-03	3.55E-04	0.00E+00	0.00E+00	1.12E-03	1.89E-05	0.00E+00	9.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03
202	ALL	residential	488330.6	3616625	NonCancer	1.12E-03	1.12E-03	3.54E-04	0.00E+00	0.00E+00	1.12E-03	1.89E-05	0.00E+00	9.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03
1101	ALL	residential	487830.6	3619325	NonCancer	1.12E-03	1.12E-03	3.53E-04	0.00E+00	0.00E+00	1.12E-03	1.88E-05	0.00E+00	9.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03
253	ALL	residential	489130.6	3617025	NonCancer	1.12E-03	1.12E-03	3.53E-04	0.00E+00	0.00E+00	1.12E-03	1.88E-05	0.00E+00	9.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03
481	ALL	residential	482830.6	3617925	NonCancer	1.12E-03	1.12E-03	3.52E-04	0.00E+00	0.00E+00	1.12E-03	1.88E-05	0.00E+00	9.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03
1771	ALL	residential	484130.6	3621025	NonCancer	1.11E-03	1.11E-03	3.51E-04	0.00E+00	0.00E+00	1.11E-03	1.87E-05	0.00E+00	9.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
220	ALL	residential	489030.6	3616725	NonCancer	1.11E-03	1.11E-03	3.50E-04	0.00E+00	0.00E+00	1.11E-03	1.87E-05	0.00E+00	9.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
221	ALL	residential	489130.6	3616725	NonCancer	1.11E-03	1.11E-03	3.49E-04	0.00E+00	0.00E+00	1.11E-03	1.86E-05	0.00E+00	9.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
1772	ALL	residential	484230.6	3621025	NonCancer	1.11E-03	1.11E-03	3.49E-04	0.00E+00	0.00E+00	1.11E-03	1.86E-05	0.00E+00	9.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
194	ALL	residential	488530.6	3616525	NonCancer	1.10E-03	1.10E-03	3.48E-04	0.00E+00	0.00E+00	1.10E-03	1.86E-05	0.00E+00	9.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
1298	ALL	residential	484030.6	3619825	NonCancer	1.10E-03	1.10E-03	3.48E-04	0.00E+00	0.00E+00	1.10E-03	1.86E-05	0.00E+00	9.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
1340	ALL	residential	484030.6	3619925	NonCancer	1.10E-03	1.10E-03	3.47E-04	0.00E+00	0.00E+00	1.10E-03	1.85E-05	0.00E+00	9.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
1119	ALL	recreationa	483730.6	3619425	NonCancer	1.10E-03	1.10E-03	3.46E-04	0.00E+00	0.00E+00	1.10E-03	1.85E-05	0.00E+00	9.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
439	ALL	residential	482830.6	3617825	NonCancer	1.09E-03	1.09E-03	3.45E-04	0.00E+00	0.00E+00	1.09E-03	1.84E-05	0.00E+00	8.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
1118	ALL	recreationa	483630.6	3619425	NonCancer	1.09E-03	1.09E-03	3.45E-04	0.00E+00	0.00E+00	1.09E-03	1.84E-05	0.00E+00	8.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
208	ALL	residential	488930.6	3616625	NonCancer	1.09E-03	1.09E-03	3.45E-04	0.00E+00	0.00E+00	1.09E-03	1.84E-05	0.00E+00	8.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
1661	ALL	residential	484030.6	3620725	NonCancer	1.09E-03	1.09E-03	3.44E-04	0.00E+00	0.00E+00	1.09E-03	1.84E-05	0.00E+00	8.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
195	ALL	residential	488630.6	3616525	NonCancer	1.09E-03	1.09E-03	3.44E-04	0.00E+00	0.00E+00	1.09E-03	1.84E-05	0.00E+00	8.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
1806	ALL	residential	484030.6	3621125	NonCancer	1.09E-03	1.09E-03	3.44E-04	0.00E+00	0.00E+00	1.09E-03	1.84E-05	0.00E+00	8.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
1177	ALL	residential	484030.6	3619525	NonCancer	1.09E-03	1.09E-03	3.44E-04	0.00E+00	0.00E+00	1.09E-03	1.83E-05	0.00E+00	8.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
212	ALL	residential	488230.6	3616725	NonCancer	1.09E-03	1.09E-03	3.43E-04	0.00E+00	0.00E+00	1.09E-03	1.83E-05	0.00E+00	8.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
197	ALL	residential	488830.6	3616525	NonCancer	1.09E-03	1.09E-03	3.42E-04	0.00E+00	0.00E+00	1.09E-03	1.83E-05	0.00E+00	8.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
1642	ALL	recreationa	485730.6	3620625	NonCancer	1.09E-03	1.09E-03	3.42E-04	0.00E+00	0.00E+00	1.09E-03	1.83E-05	0.00E+00	8.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
209	ALL	residential	489030.6	3616625	NonCancer	1.08E-03	1.08E-03	3.42E-04	0.00E+00	0.00E+00	1.08E-03	1.82E-05	0.00E+00	8.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
1218	ALL	residential	484030.6	3619625	NonCancer	1.08E-03	1.08E-03	3.41E-04	0.00E+00	0.00E+00	1.08E-03	1.82E-05	0.00E+00	8.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
1808	ALL	residential	484230.6	3621125	NonCancer	1.08E-03	1.08E-03	3.41E-04	0.00E+00	0.00E+00	1.08E-03	1.82E-05	0.00E+00	8.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
196	ALL	residential	488730.6	3616525	NonCancer	1.08E-03	1.08E-03	3.41E-04	0.00E+00	0.00E+00	1.08E-03	1.82E-05	0.00E+00	8.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
1805	ALL	residential	483930.6	3621125	NonCancer	1.08E-03	1.08E-03	3.41E-04	0.00E+00	0.00E+00	1.08E-03	1.82E-05	0.00E+00	8.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
1199	ALL	residential	487730.6	3619525	NonCancer	1.08E-03	1.08E-03	3.41E-04	0.00E+00	0.00E+00	1.08E-03	1.82E-05	0.00E+00	8.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
1121	ALL	recreationa	483930.6	3619425	NonCancer	1.08E-03	1.08E-03	3.41E-04	0.00E+00	0.00E+00	1.08E-03	1.82E-05	0.00E+00	8.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
1120	ALL	recreationa	483830.6	3619425	NonCancer	1.08E-03	1.08E-03	3.40E-04	0.00E+00	0.00E+00	1.08E-03	1.82E-05	0.00E+00	8.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
1240	ALL	residential	487630.6	3619625	NonCancer	1.08E-03	1.08E-03	3.40E-04	0.00E+00	0.00E+00	1.08E-03	1.82E-05	0.00E+00	8.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
1122	ALL	residential	484030.6	3619425	NonCancer	1.08E-03	1.08E-03	3.40E-04	0.00E+00	0.00E+00	1.08E-03	1.81E-05	0.00E+00	8.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
193	ALL	residential	488430.6	3616525	NonCancer	1.08E-03	1.08E-03	3.40E-04	0.00E+00	0.00E+00	1.08E-03	1.81E-05	0.00E+00	8.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
201	ALL	residential	488230.6	3616625	NonCancer	1.08E-03	1.08E-03	3.39E-04	0.00E+00	0.00E+00	1.08E-03	1.81E-05	0.00E+00	8.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
1259	ALL	residential	484030.6	3619725	NonCancer	1.07E-03	1.07E-03	3.39E-04	0.00E+00	0.00E+00	1.07E-03	1.81E-05	0.00E+00	8.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
187	ALL	residential	488730.6	3616425	NonCancer	1.07E-03	1.07E-03	3.38E-04	0.00E+00	0.00E+00	1.07E-03	1.80E-05	0.00E+00	8.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
198	ALL	residential	488930.6	3616525	NonCancer	1.07E-03	1.07E-03	3.38E-04	0.00E+00	0.00E+00	1.07E-03	1.80E-05	0.00E+00	8.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
1807	ALL	residential	484130.6	3621125	NonCancer	1.07E-03	1.07E-03	3.37E-04	0.00E+00	0.00E+00	1.07E-03	1.80E-05	0.00E+00	8.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
1769	ALL	residential	483930.6	3621025	NonCancer	1.07E-03	1.07E-03	3.37E-04	0.00E+00	0.00E+00	1.07E-03	1.80E-05	0.00E+00	8.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
1856	ALL	residential	483930.6	3621225	NonCancer	1.06E-03	1.06E-03	3.36E-04	0.00E+00	0.00E+00	1.06E-03	1.79E-05	0.00E+00	8.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
210	ALL	residential	489130.6	3616625	NonCancer	1.06E-03	1.06E-03	3.35E-04	0.00E+00	0.00E+00	1.06E-03	1.79E-05	0.00E+00	8.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
186	ALL	residential	488630.6	3616425	NonCancer	1.06E-03	1.06E-03	3.33E-04	0.00E+00	0.00E+00	1.06E-03	1.78E-05	0.00E+00	8.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
199	ALL	residential	489030.6	3616525	NonCancer	1.06E-03	1.06E-03	3.33E-04	0.00E+00	0.00E+00	1.06E-03	1.78E-05	0.00E+00	8.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
188	ALL	residential	488830.6	3616425	NonCancer	1.05E-03	1.05E-03	3.32E-04	0.00E+00	0.00E+00	1.05E-03	1.77E-05	0.00E+00	8.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
1384	ALL	residential	484030.6	3620025	NonCancer	1.05E-03	1.05E-03	3.31E-04	0.00E+00	0.00E+00	1.05E-03	1.77E-05	0.00E+00	8.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
1643	ALL	recreationa	485830.6	3620625	NonCancer	1.05E-03	1.05E-03	3.30E-04	0.00E+00	0.00E+00	1.05E-03	1.76E-05	0.00E+00	8.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
185	ALL	residential	488530.6	3616425	NonCancer	1.04E-03	1.04E-03	3.28E-04	0.00E+00	0.00E+00	1.04E-03	1.75E-05	0.00E+00	8.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
1857	ALL	residential	484030.6	3621225	NonCancer	1.04E-03	1.04E-03	3.27E-04	0.00E+00	0.00E+00	1.04E-03	1.75E-05	0.00E+00	8.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
1117	ALL	recreationa	483530.6	3619425	NonCancer	1.04E-03	1.04E-03	3.27E-04	0.00E+00	0.00E+00	1.04E-03	1.74E-05	0.00E+00	8.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
200	ALL	residential	489130.6	3616525	NonCancer	1.04E-03	1.04E-03	3.27E-04	0.00E+00	0.00E+00	1.04E-03	1.74E-05	0.00E+00	8.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
1430	ALL	residential	484030.6	3620125	NonCancer	1.03E-03	1.03E-03	3.26E-04	0.00E+00	0.00E+00	1.03E-03	1.74E-05	0.00E+00	8.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
181	ALL	residential	488830.6	3616325	NonCancer	1.03E-03	1.03E-03	3.24E-04	0.00E+00	0.00E+00	1.03E-03	1.73E-05	0.00E+00	8.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
189	ALL	residential	488930.6	3616425	NonCancer	1.02E-03	1.02E-03	3.23E-04	0.00E+00	0.00E+00	1.02E-03	1.72E-05	0.00E+00	8.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
1629	ALL	residential	484030.6	3620625	NonCancer	1.02E-03	1.02E-03	3.22E-04	0.00E+00	0.00E+00	1.02E-03	1.72E-05	0.00E+00	8.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
1858	ALL	residential	484130.6	3621225	NonCancer	1.02E-03	1.02E-03	3.22E-04	0.00E+00	0.00E+00	1.02E-03	1.72E-05	0.00E+00	8.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
1217	ALL	recreationa	483930.6	3619625	NonCancer	1.02E-03	1.02E-03	3.21E-04	0.00E+00	0.00E+00	1.02E-03	1.72E-05	0.00E+00	8.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
192	ALL	residential	488330.6	3616525	NonCancer	1.02E-03	1.02E-03	3.21E-04	0.00E+00	0.00E+00	1.02E-03	1.71E-05	0.00E+00	8.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
190	ALL	residential	489030.6	3616425	NonCancer	1.01E-03	1.01E-03	3.20E-04	0.00E+00	0.00E+00	1.01E-03	1.71E-05	0.00E+00	8.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
1595	ALL	residential	484030.6	3620525	NonCancer	1.01E-03	1.01E-03	3.19E-04	0.00E+00	0.00E+00	1.01E-03	1.70E-05	0.00E+00	8.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
191	ALL	residential	489130.6	3616425	NonCancer	1.01E-03	1.01E-03	3.19E-04	0.00E+00	0.00E+00	1.01E-03	1.70E-05	0.00E+00	8.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
1258	ALL	recreationa	483930.6	3619725	NonCancer	1.01E-03	1.01E-03	3.18E-04	0.00E+00	0.00E+00	1.01E-03	1.70E-05	0.00E+00	8.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
1297	ALL	recreationa	483930.6	3619825	NonCancer	1.01E-03	1.01E-03	3.17E-04	0.00E+00	0.00E+00	1.01E-03	1.69E-05	0.00E+00	8.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
1742	ALL	residential	483930.6	3620925	NonCancer	1.00E-03	1.00E-03	3.17E-04	0.00E+00	0.00E+00	1.00E-03	1.69E-05	0.00E+00	8.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
1176	ALL	recreationa	483930.6	3619525	NonCancer	1.00E-03	1.00E-03	3.17E-04	0.00E+00	0.00E+00	1.00E-03	1.69E-05	0.00E+00	8.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
182	ALL	residential	488930.6	3616325	NonCancer	1.00E-03	1.00E-03	3.17E-04	0.00E+00	0.00E+00	1.00E-03	1.69E-05	0.00E+00	8.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
1175	ALL	recreationa	483830.6	3619525	NonCancer	1.00E-03	1.00E-03	3.16E-04	0.00E+00	0.00E+00	1.00E-03	1.69E-05	0.00E+00	8.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
1855	ALL	residential	483830.6	3621225	NonCancer	1.00E-03	1.00E-03	3.16E-04	0.00E+00	0.00E+00	1.00E-03	1.69E-05	0.00E+00	8.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
180	ALL	residential	488730.6	3616325	NonCancer	1.00E-03	1.00E-03	3.16E-04	0.00E+00	0.00E+00	1.00E-03	1.69E-05	0.00E+00	8.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
179	ALL	residential	488630.6	3616325	NonCancer	9.97E-04	9.97E-04	3.14E-04	0.00E+00	0.00E+00	9.97E-04	1.68E-05	0.00E+00	8.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-04
183	ALL	residential	489030.6	3616325	NonCancer	9.90E-04	9.90E-04	3.12E-04	0.00E+00	0.00E+00	9.90E-04	1.67E-05	0.00E+00	8.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-04
1061	ALL	recreationa	483530.6	3619325	NonCancer	9.90E-04	9.90E-04	3.12E-04	0.00E+00	0.00E+00	9.90E-04	1.67E-05	0.00E+00	8.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-04
1557	ALL	residential	484030.6	3620425	NonCancer	9.88E-04	9.88E-04	3.12E-04	0.00E+00	0.00E+00	9.88E-04	1.66E-05	0.00E+00	8.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04
1475	ALL	residential	484030.6	3620225	NonCancer	9.88E-04	9.88E-04	3.11E-04	0.00E+00	0.00E+00	9.88E-04	1.66E-05	0.00E+00	8.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04
174	ALL	residential	488730.6	3616225	NonCancer	9.75E-04	9.75E-04	3.07E-04	0.00E+00	0.00E+00	9.75E-04	1.64E-05	0.00E+00	8.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04
175	ALL	residential	488830.6	3616225	NonCancer	9.67E-04	9.67E-04	3.05E-04	0.00E+00	0.00E+00	9.67E-04	1.63E-05	0.00E+00	7.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-04
184	ALL	residential	489130.6	3616325	NonCancer	9.65E-04	9.65E-04	3.04E-04	0.00E+00	0.00E+00	9.65E-04	1.62E-05	0.00E+00	7.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-04
1339	ALL	recreationa	483930.6	3619925	NonCancer	9.46E-04	9.46E-04	2.98E-04	0.00E+00	0.00E+00	9.46E-04	1.59E-05	0.00E+00	7.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-04
177	ALL	residential	489030.6	3616225	NonCancer	9.46E-04	9.46E-04	2.98E-04	0.00E+00	0.00E+00	9.46E-04	1.59E-05	0.00E+00	7.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-04
1257	ALL	recreationa	483830.6	3619725	NonCancer	9.41E-04	9.41E-04	2.97E-04	0.00E+00	0.00E+00	9.41E-04	1.58E-05	0.00E+00	7.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-04
178	ALL	residential	489130.6	3616225	NonCancer	9.41E-04	9.41E-04	2.97E-04	0.00E+00	0.00E+00	9.41E-04	1.58E-05	0.00E+00	7.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-04
176	ALL	residential	488930.6	3616225	NonCancer	9.39E-04	9.39E-04	2.96E-04	0.00E+00	0.00E+00	9.39E-04	1.58E-05	0.00E+00	7.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-04
1804	ALL	residential	483830.6	3621125	NonCancer	9.37E-04	9.37E-04	2.96E-04	0.00E+00	0.00E+00	9.37E-04	1.58E-05	0.00E+00	7.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-04
1338	ALL	recreationa	483830.6	3619925	NonCancer	9.31E-04	9.31E-04	2.94E-04	0.00E+00	0.00E+00	9.31E-04	1.57E-05	0.00E+00	7.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-04
1296	ALL	recreationa	483830.6	3619825	NonCancer	9.30E-04	9.30E-04	2.93E-04	0.00E+00	0.00E+00	9.30E-04	1.56E-05	0.00E+00	7.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-04
1216	ALL	recreationa	483830.6	3619625	NonCancer	9.27E-04	9.27E-04	2.92E-04	0.00E+00	0.00E+00	9.27E-04	1.56E-05	0.00E+00	7.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-04
1383	ALL	recreationa	483930.6	3620025	NonCancer	9.25E-04	9.25E-04	2.92E-04	0.00E+00	0.00E+00	9.25E-04	1.56E-05	0.00E+00	7.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-04
1708	ALL	residential	483930.6	3620825	NonCancer	9.23E-04	9.23E-04	2.91E-04	0.00E+00	0.00E+00	9.23E-04	1.55E-05	0.00E+00	7.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
1517	ALL	residential	484030.6	3620325	NonCancer	9.22E-04	9.22E-04	2.91E-04	0.00E+00	0.00E+00	9.22E-04	1.55E-05	0.00E+00	7.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04
171	ALL	residential	488930.6	3616125	NonCancer	9.11E-04	9.11E-04	2.87E-04	0.00E+00	0.00E+00	9.11E-04	1.53E-05	0.00E+00	7.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-04
1474	ALL	recreationa	483930.6	3620225	NonCancer	9.07E-04	9.07E-04	2.86E-04	0.00E+00	0.00E+00	9.07E-04	1.53E-05	0.00E+00	7.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04
172	ALL	residential	489030.6	3616125	NonCancer	9.06E-04	9.06E-04	2.86E-04	0.00E+00	0.00E+00	9.06E-04	1.52E-05	0.00E+00	7.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04
173	ALL	residential	489130.6	3616125	NonCancer	9.05E-04	9.05E-04	2.86E-04	0.00E+00	0.00E+00	9.05E-04	1.52E-05	0.00E+00	7.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04
1429	ALL	recreationa	483930.6	3620125	NonCancer	9.05E-04	9.05E-04	2.85E-04	0.00E+00	0.00E+00	9.05E-04	1.52E-05	0.00E+00	7.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04
1382	ALL	recreationa	483830.6	3620025	NonCancer	8.93E-04	8.93E-04	2.82E-04	0.00E+00	0.00E+00	8.93E-04	1.50E-05	0.00E+00	7.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04
1516	ALL	recreationa	483930.6	3620325	NonCancer	8.82E-04	8.82E-04	2.78E-04	0.00E+00	0.00E+00	8.82E-04	1.49E-05	0.00E+00	7.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04
1660	ALL	residential	483930.6	3620725	NonCancer	8.80E-04	8.80E-04	2.78E-04	0.00E+00	0.00E+00	8.80E-04	1.48E-05	0.00E+00	7.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-04
170	ALL	residential	489130.6	3616025	NonCancer	8.76E-04	8.76E-04	2.76E-04	0.00E+00	0.00E+00	8.76E-04	1.47E-05	0.00E+00	7.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-04
1381	ALL	recreationa	483730.6	3620025	NonCancer	8.73E-04	8.73E-04	2.75E-04	0.00E+00	0.00E+00	8.73E-04	1.47E-05	0.00E+00	7.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04
1337	ALL	recreationa	483730.6	3619925	NonCancer	8.71E-04	8.71E-04	2.75E-04	0.00E+00	0.00E+00	8.71E-04	1.47E-05	0.00E+00	7.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-04
169	ALL	residential	489030.6	3616025	NonCancer	8.69E-04	8.69E-04	2.74E-04	0.00E+00	0.00E+00	8.69E-04	1.46E-05	0.00E+00	7.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-04
1428	ALL	recreationa	483830.6	3620125	NonCancer	8.59E-04	8.59E-04	2.71E-04	0.00E+00	0.00E+00	8.59E-04	1.45E-05	0.00E+00	7.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04
1768	ALL	residential	483830.6	3621025	NonCancer	8.52E-04	8.52E-04	2.69E-04	0.00E+00	0.00E+00	8.52E-04	1.43E-05	0.00E+00	7.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04
168	ALL	residential	489130.6	3615925	NonCancer	8.48E-04	8.48E-04	2.68E-04	0.00E+00	0.00E+00	8.48E-04	1.43E-05	0.00E+00	6.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04
1556	ALL	recreationa	483930.6	3620425	NonCancer	8.46E-04	8.46E-04	2.67E-04	0.00E+00	0.00E+00	8.46E-04	1.42E-05	0.00E+00	6.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04
1473	ALL	recreationa	483830.6	3620225	NonCancer	8.44E-04	8.44E-04	2.66E-04	0.00E+00	0.00E+00	8.44E-04	1.42E-05	0.00E+00	6.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04
1515	ALL	recreationa	483830.6	3620325	NonCancer	8.38E-04	8.38E-04	2.64E-04	0.00E+00	0.00E+00	8.38E-04	1.41E-05	0.00E+00	6.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-04
1336	ALL	recreationa	483630.6	3619925	NonCancer	8.31E-04	8.31E-04	2.62E-04	0.00E+00	0.00E+00	8.31E-04	1.40E-05	0.00E+00	6.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-04
1555	ALL	recreationa	483830.6	3620425	NonCancer	8.29E-04	8.29E-04	2.61E-04	0.00E+00	0.00E+00	8.29E-04	1.40E-05	0.00E+00	6.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-04
1380	ALL	recreationa	483630.6	3620025	NonCancer	8.18E-04	8.18E-04	2.58E-04	0.00E+00	0.00E+00	8.18E-04	1.38E-05	0.00E+00	6.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04
1594	ALL	recreationa	483930.6	3620525	NonCancer	8.16E-04	8.16E-04	2.57E-04	0.00E+00	0.00E+00	8.16E-04	1.37E-05	0.00E+00	6.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-04
1741	ALL	residential	483830.6	3620925	NonCancer	8.12E-04	8.12E-04	2.56E-04	0.00E+00	0.00E+00	8.12E-04	1.37E-05	0.00E+00	6.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04
1593	ALL	recreationa	483830.6	3620525	NonCancer	7.99E-04	7.99E-04	2.52E-04	0.00E+00	0.00E+00	7.99E-04	1.34E-05	0.00E+00	6.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-04
1379	ALL	recreationa	483530.6	3620025	NonCancer	7.87E-04	7.87E-04	2.48E-04	0.00E+00	0.00E+00	7.87E-04	1.32E-05	0.00E+00	6.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04
1335	ALL	recreationa	483530.6	3619925	NonCancer	7.82E-04	7.82E-04	2.47E-04	0.00E+00	0.00E+00	7.82E-04	1.32E-05	0.00E+00	6.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04
151	ALL	school	489687.6	3613796	NonCancer	6.10E-04	6.10E-04	1.92E-04	0.00E+00	0.00E+00	6.10E-04	1.03E-05	0.00E+00	5.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04
150	ALL	school	489656.5	3613786	NonCancer	5.94E-04	5.94E-04	1.87E-04	0.00E+00	0.00E+00	5.94E-04	1.00E-05	0.00E+00	4.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04
149	ALL	residential	489651	3613672	NonCancer	5.72E-04	5.72E-04	1.80E-04	0.00E+00	0.00E+00	5.72E-04	9.63E-06	0.00E+00	4.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04
1815	ALL	residential	478530.6	3621225	NonCancer	5.54E-04	5.54E-04	1.75E-04	0.00E+00	0.00E+00	5.54E-04	9.33E-06	0.00E+00	4.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04
1816	ALL	residential	478630.6	3621225	NonCancer	5.51E-04	5.51E-04	1.74E-04	0.00E+00	0.00E+00	5.51E-04	9.27E-06	0.00E+00	4.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04
1780	ALL	residential	478530.6	3621125	NonCancer	5.49E-04	5.49E-04	1.73E-04	0.00E+00	0.00E+00	5.49E-04	9.25E-06	0.00E+00	4.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04
1781	ALL	residential	478630.6	3621125	NonCancer	5.46E-04	5.46E-04	1.72E-04	0.00E+00	0.00E+00	5.46E-04	9.19E-06	0.00E+00	4.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04
1814	ALL	residential	478430.6	3621225	NonCancer	5.39E-04	5.39E-04	1.70E-04	0.00E+00	0.00E+00	5.39E-04	9.07E-06	0.00E+00	4.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04
1779	ALL	residential	478430.6	3621125	NonCancer	5.33E-04	5.33E-04	1.68E-04	0.00E+00	0.00E+00	5.33E-04	8.97E-06	0.00E+00	4.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04
1675	ALL	residential	478230.6	3620825	NonCancer	5.29E-04	5.29E-04	1.67E-04	0.00E+00	0.00E+00	5.29E-04	8.90E-06	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04
1676	ALL	residential	478330.6	3620825	NonCancer	5.27E-04	5.27E-04	1.66E-04	0.00E+00	0.00E+00	5.27E-04	8.88E-06	0.00E+00	4.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04
1722	ALL	residential	478330.6	3620925	NonCancer	5.26E-04	5.26E-04	1.66E-04	0.00E+00	0.00E+00	5.26E-04	8.86E-06	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04
1782	ALL	residential	478730.6	3621125	NonCancer	5.26E-04	5.26E-04	1.66E-04	0.00E+00	0.00E+00	5.26E-04	8.85E-06	0.00E+00	4.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04
1817	ALL	residential	478730.6	3621225	NonCancer	5.24E-04	5.24E-04	1.65E-04	0.00E+00	0.00E+00	5.24E-04	8.82E-06	0.00E+00	4.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04
1813	ALL	residential	478330.6	3621225	NonCancer	5.24E-04	5.24E-04	1.65E-04	0.00E+00	0.00E+00	5.24E-04	8.82E-06	0.00E+00	4.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04
1755	ALL	residential	478530.6	3621025	NonCancer	5.19E-04	5.19E-04	1.64E-04	0.00E+00	0.00E+00	5.19E-04	8.74E-06	0.00E+00	4.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04
1721	ALL	residential	478230.6	3620925	NonCancer	5.19E-04	5.19E-04	1.64E-04	0.00E+00	0.00E+00	5.19E-04	8.73E-06	0.00E+00	4.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04
1754	ALL	residential	478430.6	3621025	NonCancer	5.19E-04	5.19E-04	1.64E-04	0.00E+00	0.00E+00	5.19E-04	8.73E-06	0.00E+00	4.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04
1723	ALL	residential	478430.6	3620925	NonCancer	5.17E-04	5.17E-04	1.63E-04	0.00E+00	0.00E+00	5.17E-04	8.70E-06	0.00E+00	4.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04
1778	ALL	residential	478330.6	3621125	NonCancer	5.15E-04	5.15E-04	1.62E-04	0.00E+00	0.00E+00	5.15E-04	8.67E-06	0.00E+00	4.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04
1652	ALL	residential	478130.6	3620725	NonCancer	5.14E-04	5.14E-04	1.62E-04	0.00E+00	0.00E+00	5.14E-04	8.65E-06	0.00E+00	4.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04
1674	ALL	residential	478130.6	3620825	NonCancer	5.13E-04	5.13E-04	1.62E-04	0.00E+00	0.00E+00	5.13E-04	8.64E-06	0.00E+00	4.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04
1677	ALL	residential	478430.6	3620825	NonCancer	5.12E-04	5.12E-04	1.61E-04	0.00E+00	0.00E+00	5.12E-04	8.61E-06	0.00E+00	4.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04
1623	ALL	residential	478130.6	3620625	NonCancer	5.11E-04	5.11E-04	1.61E-04	0.00E+00	0.00E+00	5.11E-04	8.59E-06	0.00E+00	4.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
1653	ALL	residential	478230.6	3620725	NonCancer	5.10E-04	5.10E-04	1.61E-04	0.00E+00	0.00E+00	5.10E-04	8.59E-06	0.00E+00	4.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04
1417	ALL	residential	477930.6	3620125	NonCancer	5.10E-04	5.10E-04	1.61E-04	0.00E+00	0.00E+00	5.10E-04	8.58E-06	0.00E+00	4.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04
1756	ALL	residential	478630.6	3621025	NonCancer	5.09E-04	5.09E-04	1.61E-04	0.00E+00	0.00E+00	5.09E-04	8.57E-06	0.00E+00	4.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04
1622	ALL	residential	478030.6	3620625	NonCancer	5.09E-04	5.09E-04	1.61E-04	0.00E+00	0.00E+00	5.09E-04	8.57E-06	0.00E+00	4.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04
1587	ALL	residential	478130.6	3620525	NonCancer	5.08E-04	5.08E-04	1.60E-04	0.00E+00	0.00E+00	5.08E-04	8.55E-06	0.00E+00	4.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04
1651	ALL	residential	478030.6	3620725	NonCancer	5.06E-04	5.06E-04	1.60E-04	0.00E+00	0.00E+00	5.06E-04	8.52E-06	0.00E+00	4.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04
999	ALL	residential	477530.6	3619225	NonCancer	5.06E-04	5.06E-04	1.60E-04	0.00E+00	0.00E+00	5.06E-04	8.51E-06	0.00E+00	4.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04
1548	ALL	residential	478030.6	3620425	NonCancer	5.05E-04	5.05E-04	1.59E-04	0.00E+00	0.00E+00	5.05E-04	8.50E-06	0.00E+00	4.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04
1753	ALL	residential	478330.6	3621025	NonCancer	5.04E-04	5.04E-04	1.59E-04	0.00E+00	0.00E+00	5.04E-04	8.49E-06	0.00E+00	4.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04
943	ALL	residential	477530.6	3619125	NonCancer	5.04E-04	5.04E-04	1.59E-04	0.00E+00	0.00E+00	5.04E-04	8.48E-06	0.00E+00	4.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04
1624	ALL	residential	478230.6	3620625	NonCancer	5.04E-04	5.04E-04	1.59E-04	0.00E+00	0.00E+00	5.04E-04	8.48E-06	0.00E+00	4.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04
1372	ALL	residential	477830.6	3620025	NonCancer	5.03E-04	5.03E-04	1.59E-04	0.00E+00	0.00E+00	5.03E-04	8.47E-06	0.00E+00	4.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04
1462	ALL	residential	477930.6	3620225	NonCancer	5.02E-04	5.02E-04	1.59E-04	0.00E+00	0.00E+00	5.02E-04	8.46E-06	0.00E+00	4.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04
1588	ALL	residential	478230.6	3620525	NonCancer	5.01E-04	5.01E-04	1.58E-04	0.00E+00	0.00E+00	5.01E-04	8.44E-06	0.00E+00	4.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04
942	ALL	residential	477430.6	3619125	NonCancer	5.01E-04	5.01E-04	1.58E-04	0.00E+00	0.00E+00	5.01E-04	8.44E-06	0.00E+00	4.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04
1549	ALL	residential	478130.6	3620425	NonCancer	5.01E-04	5.01E-04	1.58E-04	0.00E+00	0.00E+00	5.01E-04	8.44E-06	0.00E+00	4.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04
1654	ALL	residential	478330.6	3620725	NonCancer	5.01E-04	5.01E-04	1.58E-04	0.00E+00	0.00E+00	5.01E-04	8.43E-06	0.00E+00	4.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04
1720	ALL	residential	478130.6	3620925	NonCancer	5.01E-04	5.01E-04	1.58E-04	0.00E+00	0.00E+00	5.01E-04	8.43E-06	0.00E+00	4.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04
1752	ALL	residential	478230.6	3621025	NonCancer	5.00E-04	5.00E-04	1.58E-04	0.00E+00	0.00E+00	5.00E-04	8.42E-06	0.00E+00	4.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04
888	ALL	residential	477430.6	3619025	NonCancer	4.98E-04	4.98E-04	1.57E-04	0.00E+00	0.00E+00	4.98E-04	8.38E-06	0.00E+00	4.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04
1854	ALL	residential	482630.6	3621225	NonCancer	4.98E-04	4.98E-04	1.57E-04	0.00E+00	0.00E+00	4.98E-04	8.38E-06	0.00E+00	4.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04
1463	ALL	residential	478030.6	3620225	NonCancer	4.97E-04	4.97E-04	1.57E-04	0.00E+00	0.00E+00	4.97E-04	8.36E-06	0.00E+00	4.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04
1586	ALL	residential	478030.6	3620525	NonCancer	4.97E-04	4.97E-04	1.57E-04	0.00E+00	0.00E+00	4.97E-04	8.37E-06	0.00E+00	4.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04
1724	ALL	residential	478530.6	3620925	NonCancer	4.94E-04	4.94E-04	1.56E-04	0.00E+00	0.00E+00	4.94E-04	8.31E-06	0.00E+00	4.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04
1507	ALL	residential	478030.6	3620325	NonCancer	4.94E-04	4.94E-04	1.56E-04	0.00E+00	0.00E+00	4.94E-04	8.31E-06	0.00E+00	4.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04
1812	ALL	residential	478230.6	3621225	NonCancer	4.93E-04	4.93E-04	1.56E-04	0.00E+00	0.00E+00	4.93E-04	8.30E-06	0.00E+00	4.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04
1818	ALL	residential	478830.6	3621225	NonCancer	4.92E-04	4.92E-04	1.55E-04	0.00E+00	0.00E+00	4.92E-04	8.29E-06	0.00E+00	4.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04
1777	ALL	residential	478230.6	3621125	NonCancer	4.92E-04	4.92E-04	1.55E-04	0.00E+00	0.00E+00	4.92E-04	8.28E-06	0.00E+00	4.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04
889	ALL	residential	477530.6	3619025	NonCancer	4.92E-04	4.92E-04	1.55E-04	0.00E+00	0.00E+00	4.92E-04	8.28E-06	0.00E+00	4.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04
1751	ALL	residential	478130.6	3621025	NonCancer	4.92E-04	4.92E-04	1.55E-04	0.00E+00	0.00E+00	4.92E-04	8.28E-06	0.00E+00	4.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04
1783	ALL	residential	478830.6	3621125	NonCancer	4.91E-04	4.91E-04	1.55E-04	0.00E+00	0.00E+00	4.91E-04	8.26E-06	0.00E+00	4.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04
1054	ALL	residential	477530.6	3619325	NonCancer	4.90E-04	4.90E-04	1.55E-04	0.00E+00	0.00E+00	4.90E-04	8.25E-06	0.00E+00	4.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04
1508	ALL	residential	478130.6	3620325	NonCancer	4.90E-04	4.90E-04	1.54E-04	0.00E+00	0.00E+00	4.90E-04	8.24E-06	0.00E+00	4.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04
1659	ALL	recreationa	482330.6	3620725	NonCancer	4.89E-04	4.89E-04	1.54E-04	0.00E+00	0.00E+00	4.89E-04	8.24E-06	0.00E+00	4.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04
1169	ALL	residential	477630.6	3619525	NonCancer	4.89E-04	4.89E-04	1.54E-04	0.00E+00	0.00E+00	4.89E-04	8.23E-06	0.00E+00	4.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04
998	ALL	residential	477430.6	3619225	NonCancer	4.87E-04	4.87E-04	1.54E-04	0.00E+00	0.00E+00	4.87E-04	8.20E-06	0.00E+00	4.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04
1803	ALL	recreationa	482530.6	3621125	NonCancer	4.87E-04	4.87E-04	1.54E-04	0.00E+00	0.00E+00	4.87E-04	8.19E-06	0.00E+00	4.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04
1290	ALL	residential	477730.6	3619825	NonCancer	4.86E-04	4.86E-04	1.53E-04	0.00E+00	0.00E+00	4.86E-04	8.19E-06	0.00E+00	3.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04
1621	ALL	residential	477930.6	3620625	NonCancer	4.86E-04	4.86E-04	1.53E-04	0.00E+00	0.00E+00	4.86E-04	8.19E-06	0.00E+00	3.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04
1673	ALL	residential	478030.6	3620825	NonCancer	4.86E-04	4.86E-04	1.53E-04	0.00E+00	0.00E+00	4.86E-04	8.18E-06	0.00E+00	3.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04
1625	ALL	residential	478330.6	3620625	NonCancer	4.86E-04	4.86E-04	1.53E-04	0.00E+00	0.00E+00	4.86E-04	8.18E-06	0.00E+00	3.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04
1547	ALL	residential	477930.6	3620425	NonCancer	4.86E-04	4.86E-04	1.53E-04	0.00E+00	0.00E+00	4.86E-04	8.18E-06	0.00E+00	3.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04
1251	ALL	residential	477730.6	3619725	NonCancer	4.85E-04	4.85E-04	1.53E-04	0.00E+00	0.00E+00	4.85E-04	8.16E-06	0.00E+00	3.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04
1802	ALL	recreationa	482430.6	3621125	NonCancer	4.85E-04	4.85E-04	1.53E-04	0.00E+00	0.00E+00	4.85E-04	8.16E-06	0.00E+00	3.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04
1704	ALL	recreationa	482030.6	3620825	NonCancer	4.84E-04	4.84E-04	1.53E-04	0.00E+00	0.00E+00	4.84E-04	8.15E-06	0.00E+00	3.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04
1719	ALL	residential	478030.6	3620925	NonCancer	4.83E-04	4.83E-04	1.52E-04	0.00E+00	0.00E+00	4.83E-04	8.14E-06	0.00E+00	3.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04
1757	ALL	residential	478730.6	3621025	NonCancer	4.82E-04	4.82E-04	1.52E-04	0.00E+00	0.00E+00	4.82E-04	8.12E-06	0.00E+00	3.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04
1373	ALL	recreationa	477930.6	3620025	NonCancer	4.82E-04	4.82E-04	1.52E-04	0.00E+00	0.00E+00	4.82E-04	8.12E-06	0.00E+00	3.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04
1330	ALL	residential	477830.6	3619925	NonCancer	4.82E-04	4.82E-04	1.52E-04	0.00E+00	0.00E+00	4.82E-04	8.12E-06	0.00E+00	3.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04
1655	ALL	residential	478430.6	3620725	NonCancer	4.82E-04	4.82E-04	1.52E-04	0.00E+00	0.00E+00	4.82E-04	8.11E-06	0.00E+00	3.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04
1550	ALL	residential	478230.6	3620425	NonCancer	4.81E-04	4.81E-04	1.52E-04	0.00E+00	0.00E+00	4.81E-04	8.10E-06	0.00E+00	3.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
1000	ALL	residential	477630.6	3619225	NonCancer	4.81E-04	4.81E-04	1.52E-04	0.00E+00	0.00E+00	4.81E-04	8.09E-06	0.00E+00	3.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04
1703	ALL	recreationa	481930.6	3620825	NonCancer	4.81E-04	4.81E-04	1.52E-04	0.00E+00	0.00E+00	4.81E-04	8.09E-06	0.00E+00	3.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04
1707	ALL	recreationa	482330.6	3620825	NonCancer	4.78E-04	4.78E-04	1.51E-04	0.00E+00	0.00E+00	4.78E-04	8.05E-06	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04
1853	ALL	recreationa	482530.6	3621225	NonCancer	4.78E-04	4.78E-04	1.51E-04	0.00E+00	0.00E+00	4.78E-04	8.05E-06	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04
1650	ALL	residential	477930.6	3620725	NonCancer	4.78E-04	4.78E-04	1.51E-04	0.00E+00	0.00E+00	4.78E-04	8.04E-06	0.00E+00	3.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04
1418	ALL	recreationa	478030.6	3620125	NonCancer	4.77E-04	4.77E-04	1.51E-04	0.00E+00	0.00E+00	4.77E-04	8.04E-06	0.00E+00	3.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04
1585	ALL	residential	477930.6	3620525	NonCancer	4.77E-04	4.77E-04	1.51E-04	0.00E+00	0.00E+00	4.77E-04	8.03E-06	0.00E+00	3.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04
1416	ALL	residential	477830.6	3620125	NonCancer	4.77E-04	4.77E-04	1.50E-04	0.00E+00	0.00E+00	4.77E-04	8.03E-06	0.00E+00	3.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04
1589	ALL	residential	478330.6	3620525	NonCancer	4.76E-04	4.76E-04	1.50E-04	0.00E+00	0.00E+00	4.76E-04	8.01E-06	0.00E+00	3.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04
1705	ALL	recreationa	482130.6	3620825	NonCancer	4.76E-04	4.76E-04	1.50E-04	0.00E+00	0.00E+00	4.76E-04	8.00E-06	0.00E+00	3.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04
1801	ALL	recreationa	482330.6	3621125	NonCancer	4.76E-04	4.76E-04	1.50E-04	0.00E+00	0.00E+00	4.76E-04	8.00E-06	0.00E+00	3.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04
1852	ALL	recreationa	482430.6	3621225	NonCancer	4.75E-04	4.75E-04	1.50E-04	0.00E+00	0.00E+00	4.75E-04	7.99E-06	0.00E+00	3.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04
1112	ALL	residential	477630.6	3619425	NonCancer	4.74E-04	4.74E-04	1.49E-04	0.00E+00	0.00E+00	4.74E-04	7.98E-06	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04
1750	ALL	residential	478030.6	3621025	NonCancer	4.74E-04	4.74E-04	1.49E-04	0.00E+00	0.00E+00	4.74E-04	7.97E-06	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04
1111	ALL	residential	477530.6	3619425	NonCancer	4.72E-04	4.72E-04	1.49E-04	0.00E+00	0.00E+00	4.72E-04	7.94E-06	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04
944	ALL	residential	477630.6	3619125	NonCancer	4.71E-04	4.71E-04	1.49E-04	0.00E+00	0.00E+00	4.71E-04	7.93E-06	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04
1678	ALL	residential	478530.6	3620825	NonCancer	4.71E-04	4.71E-04	1.49E-04	0.00E+00	0.00E+00	4.71E-04	7.93E-06	0.00E+00	3.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04
1329	ALL	residential	477730.6	3619925	NonCancer	4.70E-04	4.70E-04	1.48E-04	0.00E+00	0.00E+00	4.70E-04	7.92E-06	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04
887	ALL	residential	477330.6	3619025	NonCancer	4.70E-04	4.70E-04	1.48E-04	0.00E+00	0.00E+00	4.70E-04	7.91E-06	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04
1055	ALL	residential	477630.6	3619325	NonCancer	4.69E-04	4.69E-04	1.48E-04	0.00E+00	0.00E+00	4.69E-04	7.90E-06	0.00E+00	3.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04
1851	ALL	recreationa	482330.6	3621225	NonCancer	4.69E-04	4.69E-04	1.48E-04	0.00E+00	0.00E+00	4.69E-04	7.90E-06	0.00E+00	3.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04
1702	ALL	recreationa	481830.6	3620825	NonCancer	4.69E-04	4.69E-04	1.48E-04	0.00E+00	0.00E+00	4.69E-04	7.90E-06	0.00E+00	3.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04
1706	ALL	recreationa	482230.6	3620825	NonCancer	4.68E-04	4.68E-04	1.48E-04	0.00E+00	0.00E+00	4.68E-04	7.88E-06	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04
1811	ALL	residential	478130.6	3621225	NonCancer	4.68E-04	4.68E-04	1.48E-04	0.00E+00	0.00E+00	4.68E-04	7.88E-06	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04
1819	ALL	residential	478930.6	3621225	NonCancer	4.67E-04	4.67E-04	1.47E-04	0.00E+00	0.00E+00	4.67E-04	7.86E-06	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04
1509	ALL	residential	478230.6	3620325	NonCancer	4.65E-04	4.65E-04	1.47E-04	0.00E+00	0.00E+00	4.65E-04	7.83E-06	0.00E+00	3.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04
1776	ALL	residential	478130.6	3621125	NonCancer	4.65E-04	4.65E-04	1.47E-04	0.00E+00	0.00E+00	4.65E-04	7.83E-06	0.00E+00	3.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04
1170	ALL	residential	477730.6	3619525	NonCancer	4.64E-04	4.64E-04	1.46E-04	0.00E+00	0.00E+00	4.64E-04	7.81E-06	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04
1672	ALL	residential	477930.6	3620825	NonCancer	4.64E-04	4.64E-04	1.46E-04	0.00E+00	0.00E+00	4.64E-04	7.81E-06	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04
1464	ALL	recreationa	478130.6	3620225	NonCancer	4.63E-04	4.63E-04	1.46E-04	0.00E+00	0.00E+00	4.63E-04	7.80E-06	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04
1506	ALL	residential	477930.6	3620325	NonCancer	4.63E-04	4.63E-04	1.46E-04	0.00E+00	0.00E+00	4.63E-04	7.80E-06	0.00E+00	3.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04
1210	ALL	residential	477730.6	3619625	NonCancer	4.62E-04	4.62E-04	1.46E-04	0.00E+00	0.00E+00	4.62E-04	7.78E-06	0.00E+00	3.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04
941	ALL	residential	477330.6	3619125	NonCancer	4.62E-04	4.62E-04	1.46E-04	0.00E+00	0.00E+00	4.62E-04	7.77E-06	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04
1800	ALL	recreationa	482230.6	3621125	NonCancer	4.62E-04	4.62E-04	1.46E-04	0.00E+00	0.00E+00	4.62E-04	7.77E-06	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04
1725	ALL	residential	478630.6	3620925	NonCancer	4.61E-04	4.61E-04	1.46E-04	0.00E+00	0.00E+00	4.61E-04	7.77E-06	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04
1053	ALL	residential	477430.6	3619325	NonCancer	4.61E-04	4.61E-04	1.45E-04	0.00E+00	0.00E+00	4.61E-04	7.76E-06	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04
1718	ALL	residential	477930.6	3620925	NonCancer	4.60E-04	4.60E-04	1.45E-04	0.00E+00	0.00E+00	4.60E-04	7.75E-06	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04
1850	ALL	recreationa	482230.6	3621225	NonCancer	4.60E-04	4.60E-04	1.45E-04	0.00E+00	0.00E+00	4.60E-04	7.74E-06	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04
1209	ALL	residential	477630.6	3619625	NonCancer	4.59E-04	4.59E-04	1.45E-04	0.00E+00	0.00E+00	4.59E-04	7.73E-06	0.00E+00	3.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04
1168	ALL	residential	477530.6	3619525	NonCancer	4.58E-04	4.58E-04	1.45E-04	0.00E+00	0.00E+00	4.58E-04	7.72E-06	0.00E+00	3.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04
1461	ALL	residential	477830.6	3620225	NonCancer	4.58E-04	4.58E-04	1.44E-04	0.00E+00	0.00E+00	4.58E-04	7.70E-06	0.00E+00	3.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04
1784	ALL	residential	478930.6	3621125	NonCancer	4.56E-04	4.56E-04	1.44E-04	0.00E+00	0.00E+00	4.56E-04	7.67E-06	0.00E+00	3.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04
1701	ALL	recreationa	481730.6	3620825	NonCancer	4.55E-04	4.55E-04	1.43E-04	0.00E+00	0.00E+00	4.55E-04	7.65E-06	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04
1551	ALL	residential	478330.6	3620425	NonCancer	4.54E-04	4.54E-04	1.43E-04	0.00E+00	0.00E+00	4.54E-04	7.65E-06	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04
890	ALL	residential	477630.6	3619025	NonCancer	4.53E-04	4.53E-04	1.43E-04	0.00E+00	0.00E+00	4.53E-04	7.62E-06	0.00E+00	3.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04
1626	ALL	residential	478430.6	3620625	NonCancer	4.51E-04	4.51E-04	1.42E-04	0.00E+00	0.00E+00	4.51E-04	7.59E-06	0.00E+00	3.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04
1740	ALL	recreationa	481730.6	3620925	NonCancer	4.51E-04	4.51E-04	1.42E-04	0.00E+00	0.00E+00	4.51E-04	7.59E-06	0.00E+00	3.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04
1758	ALL	residential	478830.6	3621025	NonCancer	4.49E-04	4.49E-04	1.42E-04	0.00E+00	0.00E+00	4.49E-04	7.57E-06	0.00E+00	3.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04
1671	ALL	residential	477830.6	3620825	NonCancer	4.49E-04	4.49E-04	1.42E-04	0.00E+00	0.00E+00	4.49E-04	7.55E-06	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04
1700	ALL	recreationa	481630.6	3620825	NonCancer	4.48E-04	4.48E-04	1.41E-04	0.00E+00	0.00E+00	4.48E-04	7.55E-06	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04
1849	ALL	recreationa	482130.6	3621225	NonCancer	4.47E-04	4.47E-04	1.41E-04	0.00E+00	0.00E+00	4.47E-04	7.52E-06	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
1584	ALL	residential	477830.6	3620525	NonCancer	4.47E-04	4.47E-04	1.41E-04	0.00E+00	0.00E+00	4.47E-04	7.52E-06	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04
1649	ALL	residential	477830.6	3620725	NonCancer	4.46E-04	4.46E-04	1.41E-04	0.00E+00	0.00E+00	4.46E-04	7.52E-06	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04
1775	ALL	residential	478030.6	3621125	NonCancer	4.46E-04	4.46E-04	1.41E-04	0.00E+00	0.00E+00	4.46E-04	7.51E-06	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04
1291	ALL	residential	477830.6	3619825	NonCancer	4.46E-04	4.46E-04	1.41E-04	0.00E+00	0.00E+00	4.46E-04	7.50E-06	0.00E+00	3.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04
1620	ALL	residential	477830.6	3620625	NonCancer	4.44E-04	4.44E-04	1.40E-04	0.00E+00	0.00E+00	4.44E-04	7.48E-06	0.00E+00	3.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04
1799	ALL	recreationa	482130.6	3621125	NonCancer	4.43E-04	4.43E-04	1.40E-04	0.00E+00	0.00E+00	4.43E-04	7.45E-06	0.00E+00	3.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
1739	ALL	recreationa	481630.6	3620925	NonCancer	4.43E-04	4.43E-04	1.40E-04	0.00E+00	0.00E+00	4.43E-04	7.45E-06	0.00E+00	3.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
1546	ALL	residential	477830.6	3620425	NonCancer	4.41E-04	4.41E-04	1.39E-04	0.00E+00	0.00E+00	4.41E-04	7.42E-06	0.00E+00	3.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04
1810	ALL	residential	478030.6	3621225	NonCancer	4.40E-04	4.40E-04	1.39E-04	0.00E+00	0.00E+00	4.40E-04	7.41E-06	0.00E+00	3.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04
1820	ALL	residential	479030.6	3621225	NonCancer	4.39E-04	4.39E-04	1.39E-04	0.00E+00	0.00E+00	4.39E-04	7.40E-06	0.00E+00	3.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04
1767	ALL	recreationa	481630.6	3621025	NonCancer	4.39E-04	4.39E-04	1.38E-04	0.00E+00	0.00E+00	4.39E-04	7.38E-06	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04
1371	ALL	residential	477730.6	3620025	NonCancer	4.38E-04	4.38E-04	1.38E-04	0.00E+00	0.00E+00	4.38E-04	7.38E-06	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04
1113	ALL	residential	477730.6	3619425	NonCancer	4.38E-04	4.38E-04	1.38E-04	0.00E+00	0.00E+00	4.38E-04	7.37E-06	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04
843	ALL	residential	477630.6	3618925	NonCancer	4.37E-04	4.37E-04	1.38E-04	0.00E+00	0.00E+00	4.37E-04	7.35E-06	0.00E+00	3.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04
1717	ALL	residential	477830.6	3620925	NonCancer	4.37E-04	4.37E-04	1.38E-04	0.00E+00	0.00E+00	4.37E-04	7.35E-06	0.00E+00	3.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04
1749	ALL	residential	477930.6	3621025	NonCancer	4.36E-04	4.36E-04	1.38E-04	0.00E+00	0.00E+00	4.36E-04	7.35E-06	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04
1590	ALL	residential	478430.6	3620525	NonCancer	4.36E-04	4.36E-04	1.38E-04	0.00E+00	0.00E+00	4.36E-04	7.34E-06	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04
997	ALL	residential	477330.6	3619225	NonCancer	4.36E-04	4.36E-04	1.38E-04	0.00E+00	0.00E+00	4.36E-04	7.34E-06	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04
1250	ALL	residential	477630.6	3619725	NonCancer	4.36E-04	4.36E-04	1.37E-04	0.00E+00	0.00E+00	4.36E-04	7.33E-06	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04
1699	ALL	recreationa	481530.6	3620825	NonCancer	4.35E-04	4.35E-04	1.37E-04	0.00E+00	0.00E+00	4.35E-04	7.33E-06	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04
1687	ALL	recreationa	480330.6	3620825	NonCancer	4.34E-04	4.34E-04	1.37E-04	0.00E+00	0.00E+00	4.34E-04	7.31E-06	0.00E+00	3.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04
1656	ALL	residential	478530.6	3620725	NonCancer	4.34E-04	4.34E-04	1.37E-04	0.00E+00	0.00E+00	4.34E-04	7.30E-06	0.00E+00	3.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04
1289	ALL	residential	477630.6	3619825	NonCancer	4.33E-04	4.33E-04	1.37E-04	0.00E+00	0.00E+00	4.33E-04	7.30E-06	0.00E+00	3.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
1794	ALL	recreationa	481630.6	3621125	NonCancer	4.33E-04	4.33E-04	1.37E-04	0.00E+00	0.00E+00	4.33E-04	7.29E-06	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
1686	ALL	recreationa	480230.6	3620825	NonCancer	4.33E-04	4.33E-04	1.37E-04	0.00E+00	0.00E+00	4.33E-04	7.28E-06	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
1738	ALL	recreationa	481530.6	3620925	NonCancer	4.33E-04	4.33E-04	1.36E-04	0.00E+00	0.00E+00	4.33E-04	7.28E-06	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
886	ALL	residential	477230.6	3619025	NonCancer	4.32E-04	4.32E-04	1.36E-04	0.00E+00	0.00E+00	4.32E-04	7.28E-06	0.00E+00	3.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04
1510	ALL	recreationa	478330.6	3620325	NonCancer	4.32E-04	4.32E-04	1.36E-04	0.00E+00	0.00E+00	4.32E-04	7.26E-06	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04
1748	ALL	residential	477830.6	3621025	NonCancer	4.31E-04	4.31E-04	1.36E-04	0.00E+00	0.00E+00	4.31E-04	7.26E-06	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04
1795	ALL	recreationa	481730.6	3621125	NonCancer	4.31E-04	4.31E-04	1.36E-04	0.00E+00	0.00E+00	4.31E-04	7.25E-06	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04
1766	ALL	recreationa	481530.6	3621025	NonCancer	4.31E-04	4.31E-04	1.36E-04	0.00E+00	0.00E+00	4.31E-04	7.25E-06	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04
1110	ALL	residential	477430.6	3619425	NonCancer	4.30E-04	4.30E-04	1.36E-04	0.00E+00	0.00E+00	4.30E-04	7.23E-06	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04
1648	ALL	residential	477730.6	3620725	NonCancer	4.29E-04	4.29E-04	1.35E-04	0.00E+00	0.00E+00	4.29E-04	7.23E-06	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04
1505	ALL	residential	477830.6	3620325	NonCancer	4.29E-04	4.29E-04	1.35E-04	0.00E+00	0.00E+00	4.29E-04	7.22E-06	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04
1848	ALL	recreationa	482030.6	3621225	NonCancer	4.29E-04	4.29E-04	1.35E-04	0.00E+00	0.00E+00	4.29E-04	7.21E-06	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04
1747	ALL	residential	477730.6	3621025	NonCancer	4.28E-04	4.28E-04	1.35E-04	0.00E+00	0.00E+00	4.28E-04	7.21E-06	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
1798	ALL	recreationa	482030.6	3621125	NonCancer	4.28E-04	4.28E-04	1.35E-04	0.00E+00	0.00E+00	4.28E-04	7.20E-06	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
1688	ALL	recreationa	480430.6	3620825	NonCancer	4.28E-04	4.28E-04	1.35E-04	0.00E+00	0.00E+00	4.28E-04	7.20E-06	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
1670	ALL	residential	477730.6	3620825	NonCancer	4.27E-04	4.27E-04	1.35E-04	0.00E+00	0.00E+00	4.27E-04	7.20E-06	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04
1658	ALL	recreationa	480030.6	3620725	NonCancer	4.27E-04	4.27E-04	1.35E-04	0.00E+00	0.00E+00	4.27E-04	7.19E-06	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04
1785	ALL	residential	479030.6	3621125	NonCancer	4.27E-04	4.27E-04	1.35E-04	0.00E+00	0.00E+00	4.27E-04	7.18E-06	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04
1774	ALL	residential	477930.6	3621125	NonCancer	4.26E-04	4.26E-04	1.35E-04	0.00E+00	0.00E+00	4.26E-04	7.18E-06	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04
1685	ALL	recreationa	480130.6	3620825	NonCancer	4.26E-04	4.26E-04	1.34E-04	0.00E+00	0.00E+00	4.26E-04	7.17E-06	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04
1793	ALL	recreationa	481530.6	3621125	NonCancer	4.26E-04	4.26E-04	1.34E-04	0.00E+00	0.00E+00	4.26E-04	7.16E-06	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04
1415	ALL	residential	477730.6	3620125	NonCancer	4.26E-04	4.26E-04	1.34E-04	0.00E+00	0.00E+00	4.26E-04	7.16E-06	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04
1460	ALL	residential	477730.6	3620225	NonCancer	4.25E-04	4.25E-04	1.34E-04	0.00E+00	0.00E+00	4.25E-04	7.16E-06	0.00E+00	3.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04
1414	ALL	residential	477630.6	3620125	NonCancer	4.24E-04	4.24E-04	1.34E-04	0.00E+00	0.00E+00	4.24E-04	7.15E-06	0.00E+00	3.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04
1726	ALL	residential	478730.6	3620925	NonCancer	4.24E-04	4.24E-04	1.34E-04	0.00E+00	0.00E+00	4.24E-04	7.14E-06	0.00E+00	3.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04
1821	ALL	residential	479130.6	3621225	NonCancer	4.23E-04	4.23E-04	1.34E-04	0.00E+00	0.00E+00	4.23E-04	7.12E-06	0.00E+00	3.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04
1716	ALL	residential	477730.6	3620925	NonCancer	4.23E-04	4.23E-04	1.34E-04	0.00E+00	0.00E+00	4.23E-04	7.12E-06	0.00E+00	3.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04
940	ALL	residential	477230.6	3619125	NonCancer	4.23E-04	4.23E-04	1.33E-04	0.00E+00	0.00E+00	4.23E-04	7.12E-06	0.00E+00	3.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
1797	ALL	recreationa	481930.6	3621125	NonCancer	4.22E-04	4.22E-04	1.33E-04	0.00E+00	0.00E+00	4.22E-04	7.11E-06	0.00E+00	3.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
1465	ALL	recreationa	478230.6	3620225	NonCancer	4.22E-04	4.22E-04	1.33E-04	0.00E+00	0.00E+00	4.22E-04	7.11E-06	0.00E+00	3.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
1737	ALL	recreationa	481430.6	3620925	NonCancer	4.22E-04	4.22E-04	1.33E-04	0.00E+00	0.00E+00	4.22E-04	7.10E-06	0.00E+00	3.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
1773	ALL	residential	477830.6	3621125	NonCancer	4.22E-04	4.22E-04	1.33E-04	0.00E+00	0.00E+00	4.22E-04	7.10E-06	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
1796	ALL	recreationa	481830.6	3621125	NonCancer	4.22E-04	4.22E-04	1.33E-04	0.00E+00	0.00E+00	4.22E-04	7.10E-06	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
1552	ALL	recreationa	478430.6	3620425	NonCancer	4.22E-04	4.22E-04	1.33E-04	0.00E+00	0.00E+00	4.22E-04	7.10E-06	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
1698	ALL	recreationa	481430.6	3620825	NonCancer	4.22E-04	4.22E-04	1.33E-04	0.00E+00	0.00E+00	4.22E-04	7.10E-06	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
1419	ALL	recreationa	478130.6	3620125	NonCancer	4.22E-04	4.22E-04	1.33E-04	0.00E+00	0.00E+00	4.22E-04	7.10E-06	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
1679	ALL	residential	478630.6	3620825	NonCancer	4.21E-04	4.21E-04	1.33E-04	0.00E+00	0.00E+00	4.21E-04	7.09E-06	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04
1052	ALL	residential	477330.6	3619325	NonCancer	4.21E-04	4.21E-04	1.33E-04	0.00E+00	0.00E+00	4.21E-04	7.08E-06	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04
1288	ALL	residential	477530.6	3619825	NonCancer	4.20E-04	4.20E-04	1.33E-04	0.00E+00	0.00E+00	4.20E-04	7.08E-06	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04
1759	ALL	residential	478930.6	3621025	NonCancer	4.20E-04	4.20E-04	1.33E-04	0.00E+00	0.00E+00	4.20E-04	7.07E-06	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04
1334	ALL	recreationa	479230.6	3619925	NonCancer	4.20E-04	4.20E-04	1.32E-04	0.00E+00	0.00E+00	4.20E-04	7.07E-06	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04
1684	ALL	recreationa	480030.6	3620825	NonCancer	4.20E-04	4.20E-04	1.32E-04	0.00E+00	0.00E+00	4.20E-04	7.06E-06	0.00E+00	3.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04
885	ALL	residential	477130.6	3619025	NonCancer	4.19E-04	4.19E-04	1.32E-04	0.00E+00	0.00E+00	4.19E-04	7.05E-06	0.00E+00	3.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04
1208	ALL	residential	477530.6	3619625	NonCancer	4.19E-04	4.19E-04	1.32E-04	0.00E+00	0.00E+00	4.19E-04	7.05E-06	0.00E+00	3.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04
1843	ALL	recreationa	481530.6	3621225	NonCancer	4.18E-04	4.18E-04	1.32E-04	0.00E+00	0.00E+00	4.18E-04	7.04E-06	0.00E+00	3.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04
1765	ALL	recreationa	481430.6	3621025	NonCancer	4.18E-04	4.18E-04	1.32E-04	0.00E+00	0.00E+00	4.18E-04	7.04E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04
1328	ALL	residential	477630.6	3619925	NonCancer	4.18E-04	4.18E-04	1.32E-04	0.00E+00	0.00E+00	4.18E-04	7.04E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04
1413	ALL	residential	477530.6	3620125	NonCancer	4.18E-04	4.18E-04	1.32E-04	0.00E+00	0.00E+00	4.18E-04	7.03E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04
1583	ALL	residential	477730.6	3620525	NonCancer	4.18E-04	4.18E-04	1.32E-04	0.00E+00	0.00E+00	4.18E-04	7.03E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04
1792	ALL	recreationa	481430.6	3621125	NonCancer	4.17E-04	4.17E-04	1.32E-04	0.00E+00	0.00E+00	4.17E-04	7.02E-06	0.00E+00	3.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04
1844	ALL	recreationa	481630.6	3621225	NonCancer	4.17E-04	4.17E-04	1.32E-04	0.00E+00	0.00E+00	4.17E-04	7.02E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04
1378	ALL	recreationa	479230.6	3620025	NonCancer	4.17E-04	4.17E-04	1.31E-04	0.00E+00	0.00E+00	4.17E-04	7.01E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04
1459	ALL	residential	477630.6	3620225	NonCancer	4.16E-04	4.16E-04	1.31E-04	0.00E+00	0.00E+00	4.16E-04	7.01E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
1295	ALL	recreationa	479130.6	3619825	NonCancer	4.16E-04	4.16E-04	1.31E-04	0.00E+00	0.00E+00	4.16E-04	7.01E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
1167	ALL	residential	477430.6	3619525	NonCancer	4.16E-04	4.16E-04	1.31E-04	0.00E+00	0.00E+00	4.16E-04	7.01E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
1370	ALL	residential	477630.6	3620025	NonCancer	4.16E-04	4.16E-04	1.31E-04	0.00E+00	0.00E+00	4.16E-04	7.01E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
1374	ALL	recreationa	478030.6	3620025	NonCancer	4.16E-04	4.16E-04	1.31E-04	0.00E+00	0.00E+00	4.16E-04	7.00E-06	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
1427	ALL	recreationa	479330.6	3620125	NonCancer	4.16E-04	4.16E-04	1.31E-04	0.00E+00	0.00E+00	4.16E-04	7.00E-06	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
1504	ALL	residential	477730.6	3620325	NonCancer	4.15E-04	4.15E-04	1.31E-04	0.00E+00	0.00E+00	4.15E-04	6.99E-06	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04
1715	ALL	residential	477630.6	3620925	NonCancer	4.15E-04	4.15E-04	1.31E-04	0.00E+00	0.00E+00	4.15E-04	6.99E-06	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04
1472	ALL	recreationa	479330.6	3620225	NonCancer	4.15E-04	4.15E-04	1.31E-04	0.00E+00	0.00E+00	4.15E-04	6.98E-06	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04
1256	ALL	recreationa	479030.6	3619725	NonCancer	4.15E-04	4.15E-04	1.31E-04	0.00E+00	0.00E+00	4.15E-04	6.98E-06	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04
1647	ALL	residential	477630.6	3620725	NonCancer	4.15E-04	4.15E-04	1.31E-04	0.00E+00	0.00E+00	4.15E-04	6.98E-06	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04
1689	ALL	recreationa	480530.6	3620825	NonCancer	4.14E-04	4.14E-04	1.31E-04	0.00E+00	0.00E+00	4.14E-04	6.97E-06	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04
1333	ALL	recreationa	479130.6	3619925	NonCancer	4.14E-04	4.14E-04	1.30E-04	0.00E+00	0.00E+00	4.14E-04	6.96E-06	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04
1369	ALL	residential	477530.6	3620025	NonCancer	4.14E-04	4.14E-04	1.30E-04	0.00E+00	0.00E+00	4.14E-04	6.96E-06	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04
1503	ALL	residential	477630.6	3620325	NonCancer	4.13E-04	4.13E-04	1.30E-04	0.00E+00	0.00E+00	4.13E-04	6.96E-06	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04
1502	ALL	residential	477530.6	3620325	NonCancer	4.13E-04	4.13E-04	1.30E-04	0.00E+00	0.00E+00	4.13E-04	6.96E-06	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04
1331	ALL	recreationa	477930.6	3619925	NonCancer	4.13E-04	4.13E-04	1.30E-04	0.00E+00	0.00E+00	4.13E-04	6.96E-06	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04
1697	ALL	recreationa	481330.6	3620825	NonCancer	4.13E-04	4.13E-04	1.30E-04	0.00E+00	0.00E+00	4.13E-04	6.95E-06	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04
1847	ALL	recreationa	481930.6	3621225	NonCancer	4.13E-04	4.13E-04	1.30E-04	0.00E+00	0.00E+00	4.13E-04	6.95E-06	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04
1822	ALL	residential	479230.6	3621225	NonCancer	4.13E-04	4.13E-04	1.30E-04	0.00E+00	0.00E+00	4.13E-04	6.94E-06	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04
1377	ALL	recreationa	479130.6	3620025	NonCancer	4.12E-04	4.12E-04	1.30E-04	0.00E+00	0.00E+00	4.12E-04	6.94E-06	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04
1842	ALL	recreationa	481430.6	3621225	NonCancer	4.12E-04	4.12E-04	1.30E-04	0.00E+00	0.00E+00	4.12E-04	6.94E-06	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04
1714	ALL	residential	477530.6	3620925	NonCancer	4.12E-04	4.12E-04	1.30E-04	0.00E+00	0.00E+00	4.12E-04	6.94E-06	0.00E+00	3.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04
1294	ALL	recreationa	479030.6	3619825	NonCancer	4.12E-04	4.12E-04	1.30E-04	0.00E+00	0.00E+00	4.12E-04	6.93E-06	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04
1051	ALL	residential	477230.6	3619325	NonCancer	4.11E-04	4.11E-04	1.30E-04	0.00E+00	0.00E+00	4.11E-04	6.92E-06	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04
1668	ALL	residential	477530.6	3620825	NonCancer	4.11E-04	4.11E-04	1.30E-04	0.00E+00	0.00E+00	4.11E-04	6.92E-06	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04
1501	ALL	residential	477430.6	3620325	NonCancer	4.11E-04	4.11E-04	1.30E-04	0.00E+00	0.00E+00	4.11E-04	6.91E-06	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
1809	ALL	residential	477930.6	3621225	NonCancer	4.10E-04	4.10E-04	1.29E-04	0.00E+00	0.00E+00	4.10E-04	6.91E-06	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04
1736	ALL	recreationa	481330.6	3620925	NonCancer	4.10E-04	4.10E-04	1.29E-04	0.00E+00	0.00E+00	4.10E-04	6.90E-06	0.00E+00	3.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04
1426	ALL	recreationa	479230.6	3620125	NonCancer	4.10E-04	4.10E-04	1.29E-04	0.00E+00	0.00E+00	4.10E-04	6.89E-06	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04
1457	ALL	residential	477430.6	3620225	NonCancer	4.10E-04	4.10E-04	1.29E-04	0.00E+00	0.00E+00	4.10E-04	6.90E-06	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04
996	ALL	residential	477230.6	3619225	NonCancer	4.10E-04	4.10E-04	1.29E-04	0.00E+00	0.00E+00	4.10E-04	6.90E-06	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04
1056	ALL	residential	477730.6	3619325	NonCancer	4.10E-04	4.10E-04	1.29E-04	0.00E+00	0.00E+00	4.10E-04	6.89E-06	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04
884	ALL	residential	477030.6	3619025	NonCancer	4.09E-04	4.09E-04	1.29E-04	0.00E+00	0.00E+00	4.09E-04	6.88E-06	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04
1368	ALL	residential	477430.6	3620025	NonCancer	4.09E-04	4.09E-04	1.29E-04	0.00E+00	0.00E+00	4.09E-04	6.88E-06	0.00E+00	3.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04
1667	ALL	residential	477430.6	3620825	NonCancer	4.08E-04	4.08E-04	1.29E-04	0.00E+00	0.00E+00	4.08E-04	6.87E-06	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
1001	ALL	residential	477730.6	3619225	NonCancer	4.08E-04	4.08E-04	1.29E-04	0.00E+00	0.00E+00	4.08E-04	6.87E-06	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
1252	ALL	recreationa	477830.6	3619725	NonCancer	4.08E-04	4.08E-04	1.29E-04	0.00E+00	0.00E+00	4.08E-04	6.86E-06	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
1846	ALL	recreationa	481830.6	3621225	NonCancer	4.08E-04	4.08E-04	1.29E-04	0.00E+00	0.00E+00	4.08E-04	6.86E-06	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
1287	ALL	residential	477430.6	3619825	NonCancer	4.08E-04	4.08E-04	1.29E-04	0.00E+00	0.00E+00	4.08E-04	6.86E-06	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
1669	ALL	residential	477630.6	3620825	NonCancer	4.07E-04	4.07E-04	1.29E-04	0.00E+00	0.00E+00	4.07E-04	6.86E-06	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
1458	ALL	residential	477530.6	3620225	NonCancer	4.07E-04	4.07E-04	1.29E-04	0.00E+00	0.00E+00	4.07E-04	6.86E-06	0.00E+00	3.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
1293	ALL	recreationa	478930.6	3619825	NonCancer	4.07E-04	4.07E-04	1.28E-04	0.00E+00	0.00E+00	4.07E-04	6.86E-06	0.00E+00	3.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
1376	ALL	recreationa	479030.6	3620025	NonCancer	4.07E-04	4.07E-04	1.28E-04	0.00E+00	0.00E+00	4.07E-04	6.85E-06	0.00E+00	3.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
1456	ALL	residential	477330.6	3620225	NonCancer	4.07E-04	4.07E-04	1.28E-04	0.00E+00	0.00E+00	4.07E-04	6.85E-06	0.00E+00	3.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
1249	ALL	residential	477530.6	3619725	NonCancer	4.07E-04	4.07E-04	1.28E-04	0.00E+00	0.00E+00	4.07E-04	6.85E-06	0.00E+00	3.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
1332	ALL	recreationa	479030.6	3619925	NonCancer	4.06E-04	4.06E-04	1.28E-04	0.00E+00	0.00E+00	4.06E-04	6.83E-06	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04
939	ALL	residential	477130.6	3619125	NonCancer	4.06E-04	4.06E-04	1.28E-04	0.00E+00	0.00E+00	4.06E-04	6.83E-06	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04
1255	ALL	recreationa	478930.6	3619725	NonCancer	4.05E-04	4.05E-04	1.28E-04	0.00E+00	0.00E+00	4.05E-04	6.82E-06	0.00E+00	3.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04
1845	ALL	recreationa	481730.6	3621225	NonCancer	4.05E-04	4.05E-04	1.28E-04	0.00E+00	0.00E+00	4.05E-04	6.81E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04
1207	ALL	residential	477430.6	3619625	NonCancer	4.05E-04	4.05E-04	1.28E-04	0.00E+00	0.00E+00	4.05E-04	6.82E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04
1412	ALL	residential	477430.6	3620125	NonCancer	4.05E-04	4.05E-04	1.28E-04	0.00E+00	0.00E+00	4.05E-04	6.81E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04
1619	ALL	residential	477730.6	3620625	NonCancer	4.04E-04	4.04E-04	1.28E-04	0.00E+00	0.00E+00	4.04E-04	6.81E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04
1582	ALL	residential	477630.6	3620525	NonCancer	4.04E-04	4.04E-04	1.28E-04	0.00E+00	0.00E+00	4.04E-04	6.81E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04
1841	ALL	recreationa	481330.6	3621225	NonCancer	4.04E-04	4.04E-04	1.28E-04	0.00E+00	0.00E+00	4.04E-04	6.81E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04
1326	ALL	residential	477430.6	3619925	NonCancer	4.04E-04	4.04E-04	1.28E-04	0.00E+00	0.00E+00	4.04E-04	6.81E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04
1618	ALL	residential	477630.6	3620625	NonCancer	4.04E-04	4.04E-04	1.27E-04	0.00E+00	0.00E+00	4.04E-04	6.80E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04
995	ALL	residential	477130.6	3619225	NonCancer	4.04E-04	4.04E-04	1.27E-04	0.00E+00	0.00E+00	4.04E-04	6.80E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04
1050	ALL	residential	477130.6	3619325	NonCancer	4.04E-04	4.04E-04	1.27E-04	0.00E+00	0.00E+00	4.04E-04	6.80E-06	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04
1327	ALL	residential	477530.6	3619925	NonCancer	4.03E-04	4.03E-04	1.27E-04	0.00E+00	0.00E+00	4.03E-04	6.79E-06	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04
1325	ALL	residential	477330.6	3619925	NonCancer	4.03E-04	4.03E-04	1.27E-04	0.00E+00	0.00E+00	4.03E-04	6.78E-06	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04
1617	ALL	residential	477530.6	3620625	NonCancer	4.02E-04	4.02E-04	1.27E-04	0.00E+00	0.00E+00	4.02E-04	6.77E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04
1696	ALL	recreationa	481230.6	3620825	NonCancer	4.02E-04	4.02E-04	1.27E-04	0.00E+00	0.00E+00	4.02E-04	6.77E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04
1545	ALL	residential	477730.6	3620425	NonCancer	4.02E-04	4.02E-04	1.27E-04	0.00E+00	0.00E+00	4.02E-04	6.77E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04
1206	ALL	residential	477330.6	3619625	NonCancer	4.02E-04	4.02E-04	1.27E-04	0.00E+00	0.00E+00	4.02E-04	6.76E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04
1500	ALL	residential	477330.6	3620325	NonCancer	4.01E-04	4.01E-04	1.27E-04	0.00E+00	0.00E+00	4.01E-04	6.76E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04
1786	ALL	residential	479130.6	3621125	NonCancer	4.01E-04	4.01E-04	1.27E-04	0.00E+00	0.00E+00	4.01E-04	6.76E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04
1367	ALL	residential	477330.6	3620025	NonCancer	4.01E-04	4.01E-04	1.27E-04	0.00E+00	0.00E+00	4.01E-04	6.75E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04
1109	ALL	residential	477330.6	3619425	NonCancer	4.00E-04	4.00E-04	1.26E-04	0.00E+00	0.00E+00	4.00E-04	6.74E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04
1248	ALL	residential	477430.6	3619725	NonCancer	4.00E-04	4.00E-04	1.26E-04	0.00E+00	0.00E+00	4.00E-04	6.74E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04
1166	ALL	residential	477330.6	3619525	NonCancer	4.00E-04	4.00E-04	1.26E-04	0.00E+00	0.00E+00	4.00E-04	6.73E-06	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04
1735	ALL	recreationa	481230.6	3620925	NonCancer	3.99E-04	3.99E-04	1.26E-04	0.00E+00	0.00E+00	3.99E-04	6.72E-06	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04
1646	ALL	residential	477530.6	3620725	NonCancer	3.99E-04	3.99E-04	1.26E-04	0.00E+00	0.00E+00	3.99E-04	6.72E-06	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04
1690	ALL	recreationa	480630.6	3620825	NonCancer	3.99E-04	3.99E-04	1.26E-04	0.00E+00	0.00E+00	3.99E-04	6.71E-06	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04
994	ALL	residential	477030.6	3619225	NonCancer	3.98E-04	3.98E-04	1.26E-04	0.00E+00	0.00E+00	3.98E-04	6.71E-06	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04
1205	ALL	residential	477230.6	3619625	NonCancer	3.98E-04	3.98E-04	1.25E-04	0.00E+00	0.00E+00	3.98E-04	6.70E-06	0.00E+00	3.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04
1455	ALL	residential	477230.6	3620225	NonCancer	3.97E-04	3.97E-04	1.25E-04	0.00E+00	0.00E+00	3.97E-04	6.69E-06	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04
1425	ALL	recreationa	479030.6	3620125	NonCancer	3.97E-04	3.97E-04	1.25E-04	0.00E+00	0.00E+00	3.97E-04	6.68E-06	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
1324	ALL	residential	477230.6	3619925	NonCancer	3.96E-04	3.96E-04	1.25E-04	0.00E+00	0.00E+00	3.96E-04	6.67E-06	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04
1616	ALL	residential	477430.6	3620625	NonCancer	3.96E-04	3.96E-04	1.25E-04	0.00E+00	0.00E+00	3.96E-04	6.67E-06	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04
1411	ALL	residential	477330.6	3620125	NonCancer	3.95E-04	3.95E-04	1.25E-04	0.00E+00	0.00E+00	3.95E-04	6.66E-06	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04
1254	ALL	recreationa	478830.6	3619725	NonCancer	3.95E-04	3.95E-04	1.25E-04	0.00E+00	0.00E+00	3.95E-04	6.65E-06	0.00E+00	3.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04
1424	ALL	recreationa	478930.6	3620125	NonCancer	3.95E-04	3.95E-04	1.25E-04	0.00E+00	0.00E+00	3.95E-04	6.64E-06	0.00E+00	3.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04
1541	ALL	residential	477330.6	3620425	NonCancer	3.95E-04	3.95E-04	1.25E-04	0.00E+00	0.00E+00	3.95E-04	6.64E-06	0.00E+00	3.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04
1542	ALL	residential	477430.6	3620425	NonCancer	3.94E-04	3.94E-04	1.24E-04	0.00E+00	0.00E+00	3.94E-04	6.64E-06	0.00E+00	3.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04
1760	ALL	residential	479030.6	3621025	NonCancer	3.94E-04	3.94E-04	1.24E-04	0.00E+00	0.00E+00	3.94E-04	6.63E-06	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04
1286	ALL	residential	477330.6	3619825	NonCancer	3.94E-04	3.94E-04	1.24E-04	0.00E+00	0.00E+00	3.94E-04	6.63E-06	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04
1049	ALL	residential	477030.6	3619325	NonCancer	3.94E-04	3.94E-04	1.24E-04	0.00E+00	0.00E+00	3.94E-04	6.63E-06	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04
1511	ALL	recreationa	478430.6	3620325	NonCancer	3.94E-04	3.94E-04	1.24E-04	0.00E+00	0.00E+00	3.94E-04	6.63E-06	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04
1695	ALL	recreationa	481130.6	3620825	NonCancer	3.93E-04	3.93E-04	1.24E-04	0.00E+00	0.00E+00	3.93E-04	6.62E-06	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04
1247	ALL	residential	477330.6	3619725	NonCancer	3.93E-04	3.93E-04	1.24E-04	0.00E+00	0.00E+00	3.93E-04	6.62E-06	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04
938	ALL	residential	477030.6	3619125	NonCancer	3.92E-04	3.92E-04	1.24E-04	0.00E+00	0.00E+00	3.92E-04	6.60E-06	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04
1540	ALL	residential	477230.6	3620425	NonCancer	3.92E-04	3.92E-04	1.24E-04	0.00E+00	0.00E+00	3.92E-04	6.60E-06	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04
1727	ALL	residential	478830.6	3620925	NonCancer	3.91E-04	3.91E-04	1.23E-04	0.00E+00	0.00E+00	3.91E-04	6.59E-06	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04
1410	ALL	residential	477230.6	3620125	NonCancer	3.91E-04	3.91E-04	1.23E-04	0.00E+00	0.00E+00	3.91E-04	6.58E-06	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04
1581	ALL	residential	477530.6	3620525	NonCancer	3.90E-04	3.90E-04	1.23E-04	0.00E+00	0.00E+00	3.90E-04	6.57E-06	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
993	ALL	residential	476930.6	3619225	NonCancer	3.90E-04	3.90E-04	1.23E-04	0.00E+00	0.00E+00	3.90E-04	6.57E-06	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
1644	ALL	residential	477330.6	3620725	NonCancer	3.90E-04	3.90E-04	1.23E-04	0.00E+00	0.00E+00	3.90E-04	6.57E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
1694	ALL	recreationa	481030.6	3620825	NonCancer	3.90E-04	3.90E-04	1.23E-04	0.00E+00	0.00E+00	3.90E-04	6.56E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
1734	ALL	recreationa	481130.6	3620925	NonCancer	3.89E-04	3.89E-04	1.23E-04	0.00E+00	0.00E+00	3.89E-04	6.55E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
1645	ALL	residential	477430.6	3620725	NonCancer	3.89E-04	3.89E-04	1.23E-04	0.00E+00	0.00E+00	3.89E-04	6.55E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
1466	ALL	recreationa	478330.6	3620225	NonCancer	3.89E-04	3.89E-04	1.23E-04	0.00E+00	0.00E+00	3.89E-04	6.54E-06	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
1108	ALL	residential	477230.6	3619425	NonCancer	3.89E-04	3.89E-04	1.23E-04	0.00E+00	0.00E+00	3.89E-04	6.55E-06	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
1204	ALL	residential	477130.6	3619625	NonCancer	3.88E-04	3.88E-04	1.23E-04	0.00E+00	0.00E+00	3.88E-04	6.54E-06	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04
1171	ALL	recreationa	477830.6	3619525	NonCancer	3.88E-04	3.88E-04	1.22E-04	0.00E+00	0.00E+00	3.88E-04	6.53E-06	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04
1791	ALL	residential	479630.6	3621125	NonCancer	3.88E-04	3.88E-04	1.22E-04	0.00E+00	0.00E+00	3.88E-04	6.53E-06	0.00E+00	3.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04
1764	ALL	residential	479430.6	3621025	NonCancer	3.87E-04	3.87E-04	1.22E-04	0.00E+00	0.00E+00	3.87E-04	6.52E-06	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04
1543	ALL	residential	477530.6	3620425	NonCancer	3.87E-04	3.87E-04	1.22E-04	0.00E+00	0.00E+00	3.87E-04	6.51E-06	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04
1615	ALL	residential	477330.6	3620625	NonCancer	3.87E-04	3.87E-04	1.22E-04	0.00E+00	0.00E+00	3.87E-04	6.51E-06	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04
1409	ALL	residential	477130.6	3620125	NonCancer	3.87E-04	3.87E-04	1.22E-04	0.00E+00	0.00E+00	3.87E-04	6.51E-06	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04
1790	ALL	residential	479530.6	3621125	NonCancer	3.87E-04	3.87E-04	1.22E-04	0.00E+00	0.00E+00	3.87E-04	6.51E-06	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04
1471	ALL	recreationa	478930.6	3620225	NonCancer	3.87E-04	3.87E-04	1.22E-04	0.00E+00	0.00E+00	3.87E-04	6.51E-06	0.00E+00	3.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04
1323	ALL	residential	477130.6	3619925	NonCancer	3.86E-04	3.86E-04	1.22E-04	0.00E+00	0.00E+00	3.86E-04	6.50E-06	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04
1366	ALL	residential	477230.6	3620025	NonCancer	3.86E-04	3.86E-04	1.22E-04	0.00E+00	0.00E+00	3.86E-04	6.50E-06	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04
1539	ALL	residential	477130.6	3620425	NonCancer	3.85E-04	3.85E-04	1.22E-04	0.00E+00	0.00E+00	3.85E-04	6.49E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
1499	ALL	residential	477230.6	3620325	NonCancer	3.85E-04	3.85E-04	1.22E-04	0.00E+00	0.00E+00	3.85E-04	6.49E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
1691	ALL	recreationa	480730.6	3620825	NonCancer	3.85E-04	3.85E-04	1.21E-04	0.00E+00	0.00E+00	3.85E-04	6.48E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
1454	ALL	residential	477130.6	3620225	NonCancer	3.85E-04	3.85E-04	1.21E-04	0.00E+00	0.00E+00	3.85E-04	6.48E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
1693	ALL	recreationa	480930.6	3620825	NonCancer	3.85E-04	3.85E-04	1.21E-04	0.00E+00	0.00E+00	3.85E-04	6.47E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
1498	ALL	residential	477130.6	3620325	NonCancer	3.84E-04	3.84E-04	1.21E-04	0.00E+00	0.00E+00	3.84E-04	6.47E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04
945	ALL	residential	477730.6	3619125	NonCancer	3.84E-04	3.84E-04	1.21E-04	0.00E+00	0.00E+00	3.84E-04	6.47E-06	0.00E+00	3.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04
947	ALL	recreationa	478330.6	3619125	NonCancer	3.84E-04	3.84E-04	1.21E-04	0.00E+00	0.00E+00	3.84E-04	6.46E-06	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04
1165	ALL	residential	477230.6	3619525	NonCancer	3.83E-04	3.83E-04	1.21E-04	0.00E+00	0.00E+00	3.83E-04	6.45E-06	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04
1789	ALL	residential	479430.6	3621125	NonCancer	3.83E-04	3.83E-04	1.21E-04	0.00E+00	0.00E+00	3.83E-04	6.44E-06	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04
1692	ALL	recreationa	480830.6	3620825	NonCancer	3.82E-04	3.82E-04	1.21E-04	0.00E+00	0.00E+00	3.82E-04	6.43E-06	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04
1470	ALL	recreationa	478830.6	3620225	NonCancer	3.82E-04	3.82E-04	1.21E-04	0.00E+00	0.00E+00	3.82E-04	6.43E-06	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04
1763	ALL	residential	479330.6	3621025	NonCancer	3.82E-04	3.82E-04	1.20E-04	0.00E+00	0.00E+00	3.82E-04	6.43E-06	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04
1211	ALL	recreationa	477830.6	3619625	NonCancer	3.82E-04	3.82E-04	1.20E-04	0.00E+00	0.00E+00	3.82E-04	6.42E-06	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04
1215	ALL	recreationa	478830.6	3619625	NonCancer	3.82E-04	3.82E-04	1.20E-04	0.00E+00	0.00E+00	3.82E-04	6.42E-06	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
1285	ALL	residential	477230.6	3619825	NonCancer	3.81E-04	3.81E-04	1.20E-04	0.00E+00	0.00E+00	3.81E-04	6.42E-06	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04
1048	ALL	residential	476930.6	3619325	NonCancer	3.81E-04	3.81E-04	1.20E-04	0.00E+00	0.00E+00	3.81E-04	6.42E-06	0.00E+00	3.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04
1788	ALL	residential	479330.6	3621125	NonCancer	3.80E-04	3.80E-04	1.20E-04	0.00E+00	0.00E+00	3.80E-04	6.40E-06	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
1824	ALL	residential	479430.6	3621225	NonCancer	3.80E-04	3.80E-04	1.20E-04	0.00E+00	0.00E+00	3.80E-04	6.39E-06	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
1246	ALL	residential	477230.6	3619725	NonCancer	3.80E-04	3.80E-04	1.20E-04	0.00E+00	0.00E+00	3.80E-04	6.39E-06	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
946	ALL	recreationa	478230.6	3619125	NonCancer	3.80E-04	3.80E-04	1.20E-04	0.00E+00	0.00E+00	3.80E-04	6.39E-06	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
992	ALL	residential	476830.6	3619225	NonCancer	3.80E-04	3.80E-04	1.20E-04	0.00E+00	0.00E+00	3.80E-04	6.39E-06	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
894	ALL	recreationa	478230.6	3619025	NonCancer	3.79E-04	3.79E-04	1.20E-04	0.00E+00	0.00E+00	3.79E-04	6.39E-06	0.00E+00	3.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
1497	ALL	residential	477030.6	3620325	NonCancer	3.79E-04	3.79E-04	1.20E-04	0.00E+00	0.00E+00	3.79E-04	6.38E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
1733	ALL	recreationa	481030.6	3620925	NonCancer	3.79E-04	3.79E-04	1.20E-04	0.00E+00	0.00E+00	3.79E-04	6.38E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
1731	ALL	residential	479230.6	3620925	NonCancer	3.79E-04	3.79E-04	1.20E-04	0.00E+00	0.00E+00	3.79E-04	6.38E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
1825	ALL	residential	479530.6	3621225	NonCancer	3.79E-04	3.79E-04	1.19E-04	0.00E+00	0.00E+00	3.79E-04	6.38E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
1408	ALL	residential	477030.6	3620125	NonCancer	3.78E-04	3.78E-04	1.19E-04	0.00E+00	0.00E+00	3.78E-04	6.37E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04
1107	ALL	residential	477130.6	3619425	NonCancer	3.78E-04	3.78E-04	1.19E-04	0.00E+00	0.00E+00	3.78E-04	6.36E-06	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04
1544	ALL	residential	477630.6	3620425	NonCancer	3.78E-04	3.78E-04	1.19E-04	0.00E+00	0.00E+00	3.78E-04	6.36E-06	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04
1164	ALL	residential	477130.6	3619525	NonCancer	3.77E-04	3.77E-04	1.19E-04	0.00E+00	0.00E+00	3.77E-04	6.35E-06	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
1322	ALL	residential	477030.6	3619925	NonCancer	3.77E-04	3.77E-04	1.19E-04	0.00E+00	0.00E+00	3.77E-04	6.35E-06	0.00E+00	3.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
1364	ALL	residential	477030.6	3620025	NonCancer	3.77E-04	3.77E-04	1.19E-04	0.00E+00	0.00E+00	3.77E-04	6.34E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
1060	ALL	recreationa	478630.6	3619325	NonCancer	3.77E-04	3.77E-04	1.19E-04	0.00E+00	0.00E+00	3.77E-04	6.34E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
1203	ALL	residential	477030.6	3619625	NonCancer	3.77E-04	3.77E-04	1.19E-04	0.00E+00	0.00E+00	3.77E-04	6.34E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
1365	ALL	residential	477130.6	3620025	NonCancer	3.77E-04	3.77E-04	1.19E-04	0.00E+00	0.00E+00	3.77E-04	6.34E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
1840	ALL	recreationa	481030.6	3621225	NonCancer	3.76E-04	3.76E-04	1.19E-04	0.00E+00	0.00E+00	3.76E-04	6.34E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
1762	ALL	residential	479230.6	3621025	NonCancer	3.76E-04	3.76E-04	1.19E-04	0.00E+00	0.00E+00	3.76E-04	6.34E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
1469	ALL	recreationa	478630.6	3620225	NonCancer	3.76E-04	3.76E-04	1.19E-04	0.00E+00	0.00E+00	3.76E-04	6.33E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
1657	ALL	residential	478630.6	3620725	NonCancer	3.76E-04	3.76E-04	1.19E-04	0.00E+00	0.00E+00	3.76E-04	6.33E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
1174	ALL	recreationa	478730.6	3619525	NonCancer	3.76E-04	3.76E-04	1.19E-04	0.00E+00	0.00E+00	3.76E-04	6.33E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
1823	ALL	residential	479330.6	3621225	NonCancer	3.76E-04	3.76E-04	1.19E-04	0.00E+00	0.00E+00	3.76E-04	6.33E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
1826	ALL	residential	479630.6	3621225	NonCancer	3.76E-04	3.76E-04	1.19E-04	0.00E+00	0.00E+00	3.76E-04	6.33E-06	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
1627	ALL	residential	478530.6	3620625	NonCancer	3.75E-04	3.75E-04	1.18E-04	0.00E+00	0.00E+00	3.75E-04	6.32E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04
1730	ALL	residential	479130.6	3620925	NonCancer	3.75E-04	3.75E-04	1.18E-04	0.00E+00	0.00E+00	3.75E-04	6.32E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04
1732	ALL	recreationa	480930.6	3620925	NonCancer	3.75E-04	3.75E-04	1.18E-04	0.00E+00	0.00E+00	3.75E-04	6.31E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04
1468	ALL	recreationa	478530.6	3620225	NonCancer	3.75E-04	3.75E-04	1.18E-04	0.00E+00	0.00E+00	3.75E-04	6.31E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04
1284	ALL	residential	477130.6	3619825	NonCancer	3.75E-04	3.75E-04	1.18E-04	0.00E+00	0.00E+00	3.75E-04	6.31E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04
1729	ALL	residential	479030.6	3620925	NonCancer	3.75E-04	3.75E-04	1.18E-04	0.00E+00	0.00E+00	3.75E-04	6.31E-06	0.00E+00	3.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04
1106	ALL	residential	477030.6	3619425	NonCancer	3.74E-04	3.74E-04	1.18E-04	0.00E+00	0.00E+00	3.74E-04	6.30E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
1787	ALL	residential	479230.6	3621125	NonCancer	3.74E-04	3.74E-04	1.18E-04	0.00E+00	0.00E+00	3.74E-04	6.30E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
1628	ALL	recreationa	478630.6	3620625	NonCancer	3.74E-04	3.74E-04	1.18E-04	0.00E+00	0.00E+00	3.74E-04	6.30E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
1214	ALL	recreationa	478730.6	3619625	NonCancer	3.74E-04	3.74E-04	1.18E-04	0.00E+00	0.00E+00	3.74E-04	6.30E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
893	ALL	recreationa	478130.6	3619025	NonCancer	3.74E-04	3.74E-04	1.18E-04	0.00E+00	0.00E+00	3.74E-04	6.30E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
1003	ALL	recreationa	478430.6	3619225	NonCancer	3.74E-04	3.74E-04	1.18E-04	0.00E+00	0.00E+00	3.74E-04	6.29E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
1538	ALL	residential	477030.6	3620425	NonCancer	3.74E-04	3.74E-04	1.18E-04	0.00E+00	0.00E+00	3.74E-04	6.29E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
1375	ALL	recreationa	478530.6	3620025	NonCancer	3.74E-04	3.74E-04	1.18E-04	0.00E+00	0.00E+00	3.74E-04	6.29E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
1059	ALL	recreationa	478530.6	3619325	NonCancer	3.74E-04	3.74E-04	1.18E-04	0.00E+00	0.00E+00	3.74E-04	6.29E-06	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
1467	ALL	recreationa	478430.6	3620225	NonCancer	3.73E-04	3.73E-04	1.18E-04	0.00E+00	0.00E+00	3.73E-04	6.28E-06	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04
1423	ALL	recreationa	478530.6	3620125	NonCancer	3.73E-04	3.73E-04	1.18E-04	0.00E+00	0.00E+00	3.73E-04	6.28E-06	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04
1496	ALL	residential	476930.6	3620325	NonCancer	3.73E-04	3.73E-04	1.18E-04	0.00E+00	0.00E+00	3.73E-04	6.27E-06	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04
1728	ALL	residential	478930.6	3620925	NonCancer	3.72E-04	3.72E-04	1.17E-04	0.00E+00	0.00E+00	3.72E-04	6.26E-06	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04
1683	ALL	residential	479030.6	3620825	NonCancer	3.72E-04	3.72E-04	1.17E-04	0.00E+00	0.00E+00	3.72E-04	6.26E-06	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04
1173	ALL	recreationa	478630.6	3619525	NonCancer	3.72E-04	3.72E-04	1.17E-04	0.00E+00	0.00E+00	3.72E-04	6.26E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04
1116	ALL	recreationa	478630.6	3619425	NonCancer	3.72E-04	3.72E-04	1.17E-04	0.00E+00	0.00E+00	3.72E-04	6.26E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04
1580	ALL	residential	477430.6	3620525	NonCancer	3.72E-04	3.72E-04	1.17E-04	0.00E+00	0.00E+00	3.72E-04	6.26E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
1105	ALL	residential	476930.6	3619425	NonCancer	3.71E-04	3.71E-04	1.17E-04	0.00E+00	0.00E+00	3.71E-04	6.25E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04
1761	ALL	residential	479130.6	3621025	NonCancer	3.71E-04	3.71E-04	1.17E-04	0.00E+00	0.00E+00	3.71E-04	6.25E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04
1363	ALL	residential	476930.6	3620025	NonCancer	3.71E-04	3.71E-04	1.17E-04	0.00E+00	0.00E+00	3.71E-04	6.25E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04
1245	ALL	residential	477130.6	3619725	NonCancer	3.71E-04	3.71E-04	1.17E-04	0.00E+00	0.00E+00	3.71E-04	6.25E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04
1002	ALL	recreationa	478330.6	3619225	NonCancer	3.71E-04	3.71E-04	1.17E-04	0.00E+00	0.00E+00	3.71E-04	6.24E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04
1283	ALL	residential	477030.6	3619825	NonCancer	3.71E-04	3.71E-04	1.17E-04	0.00E+00	0.00E+00	3.71E-04	6.24E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04
1163	ALL	residential	477030.6	3619525	NonCancer	3.70E-04	3.70E-04	1.17E-04	0.00E+00	0.00E+00	3.70E-04	6.23E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04
1058	ALL	recreationa	478430.6	3619325	NonCancer	3.70E-04	3.70E-04	1.17E-04	0.00E+00	0.00E+00	3.70E-04	6.22E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04
1514	ALL	recreationa	478730.6	3620325	NonCancer	3.70E-04	3.70E-04	1.17E-04	0.00E+00	0.00E+00	3.70E-04	6.22E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04
991	ALL	residential	476730.6	3619225	NonCancer	3.70E-04	3.70E-04	1.17E-04	0.00E+00	0.00E+00	3.70E-04	6.22E-06	0.00E+00	3.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04
1577	ALL	residential	477130.6	3620525	NonCancer	3.69E-04	3.69E-04	1.17E-04	0.00E+00	0.00E+00	3.69E-04	6.22E-06	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
1827	ALL	residential	479730.6	3621225	NonCancer	3.69E-04	3.69E-04	1.16E-04	0.00E+00	0.00E+00	3.69E-04	6.22E-06	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
1047	ALL	residential	476830.6	3619325	NonCancer	3.69E-04	3.69E-04	1.17E-04	0.00E+00	0.00E+00	3.69E-04	6.22E-06	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
1614	ALL	residential	477230.6	3620625	NonCancer	3.69E-04	3.69E-04	1.16E-04	0.00E+00	0.00E+00	3.69E-04	6.21E-06	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
1244	ALL	residential	477030.6	3619725	NonCancer	3.68E-04	3.68E-04	1.16E-04	0.00E+00	0.00E+00	3.68E-04	6.20E-06	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04
1512	ALL	recreationa	478530.6	3620325	NonCancer	3.68E-04	3.68E-04	1.16E-04	0.00E+00	0.00E+00	3.68E-04	6.20E-06	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04
1680	ALL	residential	478730.6	3620825	NonCancer	3.68E-04	3.68E-04	1.16E-04	0.00E+00	0.00E+00	3.68E-04	6.20E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04
1513	ALL	recreationa	478630.6	3620325	NonCancer	3.68E-04	3.68E-04	1.16E-04	0.00E+00	0.00E+00	3.68E-04	6.20E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04
1682	ALL	residential	478930.6	3620825	NonCancer	3.68E-04	3.68E-04	1.16E-04	0.00E+00	0.00E+00	3.68E-04	6.20E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04
1681	ALL	residential	478830.6	3620825	NonCancer	3.68E-04	3.68E-04	1.16E-04	0.00E+00	0.00E+00	3.68E-04	6.19E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04
1839	ALL	recreationa	480930.6	3621225	NonCancer	3.68E-04	3.68E-04	1.16E-04	0.00E+00	0.00E+00	3.68E-04	6.19E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04
1453	ALL	residential	477030.6	3620225	NonCancer	3.68E-04	3.68E-04	1.16E-04	0.00E+00	0.00E+00	3.68E-04	6.19E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04
1422	ALL	recreationa	478430.6	3620125	NonCancer	3.67E-04	3.67E-04	1.16E-04	0.00E+00	0.00E+00	3.67E-04	6.18E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04
1578	ALL	residential	477230.6	3620525	NonCancer	3.67E-04	3.67E-04	1.16E-04	0.00E+00	0.00E+00	3.67E-04	6.19E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04
892	ALL	recreationa	478030.6	3619025	NonCancer	3.67E-04	3.67E-04	1.16E-04	0.00E+00	0.00E+00	3.67E-04	6.18E-06	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04
1104	ALL	residential	476830.6	3619425	NonCancer	3.66E-04	3.66E-04	1.16E-04	0.00E+00	0.00E+00	3.66E-04	6.17E-06	0.00E+00	3.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
1407	ALL	residential	476930.6	3620125	NonCancer	3.66E-04	3.66E-04	1.15E-04	0.00E+00	0.00E+00	3.66E-04	6.16E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
1115	ALL	recreationa	478530.6	3619425	NonCancer	3.66E-04	3.66E-04	1.15E-04	0.00E+00	0.00E+00	3.66E-04	6.16E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
1592	ALL	recreationa	478630.6	3620525	NonCancer	3.66E-04	3.66E-04	1.15E-04	0.00E+00	0.00E+00	3.66E-04	6.15E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
1452	ALL	residential	476930.6	3620225	NonCancer	3.65E-04	3.65E-04	1.15E-04	0.00E+00	0.00E+00	3.65E-04	6.15E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
1554	ALL	recreationa	478630.6	3620425	NonCancer	3.65E-04	3.65E-04	1.15E-04	0.00E+00	0.00E+00	3.65E-04	6.14E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
1553	ALL	recreationa	478530.6	3620425	NonCancer	3.65E-04	3.65E-04	1.15E-04	0.00E+00	0.00E+00	3.65E-04	6.14E-06	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
1243	ALL	residential	476930.6	3619725	NonCancer	3.65E-04	3.65E-04	1.15E-04	0.00E+00	0.00E+00	3.65E-04	6.14E-06	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
1202	ALL	residential	476930.6	3619625	NonCancer	3.64E-04	3.64E-04	1.15E-04	0.00E+00	0.00E+00	3.64E-04	6.13E-06	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04
1591	ALL	recreationa	478530.6	3620525	NonCancer	3.64E-04	3.64E-04	1.15E-04	0.00E+00	0.00E+00	3.64E-04	6.13E-06	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04
1362	ALL	residential	476830.6	3620025	NonCancer	3.64E-04	3.64E-04	1.15E-04	0.00E+00	0.00E+00	3.64E-04	6.12E-06	0.00E+00	2.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04
1495	ALL	residential	476830.6	3620325	NonCancer	3.63E-04	3.63E-04	1.15E-04	0.00E+00	0.00E+00	3.63E-04	6.12E-06	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04
1450	ALL	residential	476730.6	3620225	NonCancer	3.63E-04	3.63E-04	1.15E-04	0.00E+00	0.00E+00	3.63E-04	6.11E-06	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04
1103	ALL	residential	476730.6	3619425	NonCancer	3.63E-04	3.63E-04	1.15E-04	0.00E+00	0.00E+00	3.63E-04	6.11E-06	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04
1162	ALL	residential	476930.6	3619525	NonCancer	3.62E-04	3.62E-04	1.14E-04	0.00E+00	0.00E+00	3.62E-04	6.10E-06	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04
1451	ALL	residential	476830.6	3620225	NonCancer	3.62E-04	3.62E-04	1.14E-04	0.00E+00	0.00E+00	3.62E-04	6.10E-06	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04
1421	ALL	recreationa	478330.6	3620125	NonCancer	3.62E-04	3.62E-04	1.14E-04	0.00E+00	0.00E+00	3.62E-04	6.10E-06	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04
1420	ALL	recreationa	478230.6	3620125	NonCancer	3.61E-04	3.61E-04	1.14E-04	0.00E+00	0.00E+00	3.61E-04	6.08E-06	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
1282	ALL	residential	476930.6	3619825	NonCancer	3.61E-04	3.61E-04	1.14E-04	0.00E+00	0.00E+00	3.61E-04	6.08E-06	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
1361	ALL	residential	476730.6	3620025	NonCancer	3.61E-04	3.61E-04	1.14E-04	0.00E+00	0.00E+00	3.61E-04	6.08E-06	0.00E+00	2.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
1838	ALL	recreationa	480830.6	3621225	NonCancer	3.61E-04	3.61E-04	1.14E-04	0.00E+00	0.00E+00	3.61E-04	6.08E-06	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
1579	ALL	residential	477330.6	3620525	NonCancer	3.61E-04	3.61E-04	1.14E-04	0.00E+00	0.00E+00	3.61E-04	6.07E-06	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
1321	ALL	residential	476930.6	3619925	NonCancer	3.60E-04	3.60E-04	1.14E-04	0.00E+00	0.00E+00	3.60E-04	6.07E-06	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04
1537	ALL	residential	476930.6	3620425	NonCancer	3.60E-04	3.60E-04	1.14E-04	0.00E+00	0.00E+00	3.60E-04	6.06E-06	0.00E+00	2.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04
1242	ALL	residential	476830.6	3619725	NonCancer	3.59E-04	3.59E-04	1.13E-04	0.00E+00	0.00E+00	3.59E-04	6.05E-06	0.00E+00	2.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04
1046	ALL	residential	476730.6	3619325	NonCancer	3.59E-04	3.59E-04	1.13E-04	0.00E+00	0.00E+00	3.59E-04	6.04E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Acute Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
2063	ALL	FENCEINT	485537.1	3617658	NonCancer	1.08E-01	1.08E-01	3.41E-02	0.00E+00	0.00E+00	1.08E-01	1.82E-03	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
1828	ALL	residential	479830.6	3621225	NonCancer	3.58E-04	3.58E-04	1.13E-04	0.00E+00	0.00E+00	3.58E-04	6.03E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04
1405	ALL	residential	476730.6	3620125	NonCancer	3.56E-04	3.56E-04	1.12E-04	0.00E+00	0.00E+00	3.56E-04	5.99E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04
1241	ALL	residential	476730.6	3619725	NonCancer	3.56E-04	3.56E-04	1.12E-04	0.00E+00	0.00E+00	3.56E-04	5.99E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04
891	ALL	residential	477730.6	3619025	NonCancer	3.55E-04	3.55E-04	1.12E-04	0.00E+00	0.00E+00	3.55E-04	5.98E-06	0.00E+00	2.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04
1837	ALL	recreationa	480730.6	3621225	NonCancer	3.53E-04	3.53E-04	1.11E-04	0.00E+00	0.00E+00	3.53E-04	5.94E-06	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
1161	ALL	residential	476830.6	3619525	NonCancer	3.53E-04	3.53E-04	1.11E-04	0.00E+00	0.00E+00	3.53E-04	5.94E-06	0.00E+00	2.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
1406	ALL	residential	476830.6	3620125	NonCancer	3.52E-04	3.52E-04	1.11E-04	0.00E+00	0.00E+00	3.52E-04	5.93E-06	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
1319	ALL	residential	476730.6	3619925	NonCancer	3.52E-04	3.52E-04	1.11E-04	0.00E+00	0.00E+00	3.52E-04	5.93E-06	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
1320	ALL	residential	476830.6	3619925	NonCancer	3.51E-04	3.51E-04	1.11E-04	0.00E+00	0.00E+00	3.51E-04	5.91E-06	0.00E+00	2.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04
1201	ALL	residential	476830.6	3619625	NonCancer	3.50E-04	3.50E-04	1.10E-04	0.00E+00	0.00E+00	3.50E-04	5.89E-06	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04
1281	ALL	residential	476830.6	3619825	NonCancer	3.49E-04	3.49E-04	1.10E-04	0.00E+00	0.00E+00	3.49E-04	5.88E-06	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04
844	ALL	residential	477730.6	3618925	NonCancer	3.47E-04	3.47E-04	1.09E-04	0.00E+00	0.00E+00	3.47E-04	5.83E-06	0.00E+00	2.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
1836	ALL	recreationa	480630.6	3621225	NonCancer	3.46E-04	3.46E-04	1.09E-04	0.00E+00	0.00E+00	3.46E-04	5.82E-06	0.00E+00	2.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04
1829	ALL	residential	479930.6	3621225	NonCancer	3.43E-04	3.43E-04	1.08E-04	0.00E+00	0.00E+00	3.43E-04	5.78E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04
1160	ALL	residential	476730.6	3619525	NonCancer	3.43E-04	3.43E-04	1.08E-04	0.00E+00	0.00E+00	3.43E-04	5.77E-06	0.00E+00	2.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04
1114	ALL	recreationa	477830.6	3619425	NonCancer	3.42E-04	3.42E-04	1.08E-04	0.00E+00	0.00E+00	3.42E-04	5.75E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04
1280	ALL	residential	476730.6	3619825	NonCancer	3.41E-04	3.41E-04	1.08E-04	0.00E+00	0.00E+00	3.41E-04	5.74E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
1057	ALL	recreationa	477830.6	3619325	NonCancer	3.40E-04	3.40E-04	1.07E-04	0.00E+00	0.00E+00	3.40E-04	5.73E-06	0.00E+00	2.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04
1200	ALL	residential	476730.6	3619625	NonCancer	3.40E-04	3.40E-04	1.07E-04	0.00E+00	0.00E+00	3.40E-04	5.73E-06	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04
1213	ALL	recreationa	478030.6	3619625	NonCancer	3.39E-04	3.39E-04	1.07E-04	0.00E+00	0.00E+00	3.39E-04	5.70E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04
1253	ALL	recreationa	478130.6	3619725	NonCancer	3.38E-04	3.38E-04	1.07E-04	0.00E+00	0.00E+00	3.38E-04	5.69E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04
1835	ALL	recreationa	480530.6	3621225	NonCancer	3.37E-04	3.37E-04	1.06E-04	0.00E+00	0.00E+00	3.37E-04	5.68E-06	0.00E+00	2.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04
1834	ALL	recreationa	480430.6	3621225	NonCancer	3.35E-04	3.35E-04	1.06E-04	0.00E+00	0.00E+00	3.35E-04	5.64E-06	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04
1830	ALL	residential	480030.6	3621225	NonCancer	3.34E-04	3.34E-04	1.05E-04	0.00E+00	0.00E+00	3.34E-04	5.63E-06	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
1172	ALL	recreationa	477930.6	3619525	NonCancer	3.34E-04	3.34E-04	1.05E-04	0.00E+00	0.00E+00	3.34E-04	5.63E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
1292	ALL	recreationa	477930.6	3619825	NonCancer	3.34E-04	3.34E-04	1.05E-04	0.00E+00	0.00E+00	3.34E-04	5.62E-06	0.00E+00	2.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
1212	ALL	recreationa	477930.6	3619625	NonCancer	3.32E-04	3.32E-04	1.05E-04	0.00E+00	0.00E+00	3.32E-04	5.59E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04
1833	ALL	recreationa	480330.6	3621225	NonCancer	3.29E-04	3.29E-04	1.04E-04	0.00E+00	0.00E+00	3.29E-04	5.54E-06	0.00E+00	2.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
1832	ALL	recreationa	480230.6	3621225	NonCancer	3.28E-04	3.28E-04	1.03E-04	0.00E+00	0.00E+00	3.28E-04	5.52E-06	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04
1831	ALL	recreationa	480130.6	3621225	NonCancer	3.24E-04	3.24E-04	1.02E-04	0.00E+00	0.00E+00	3.24E-04	5.46E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
636	ALL	residential	486030.6	3618325	0.003324	9901	DieselExhP	2.94E-06	30YrCance	*	2.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
412	ALL	residential	486330.6	3617725	0.00327	9901	DieselExhP	2.89E-06	30YrCance	*	2.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
606	ALL	residential	486130.6	3618225	0.003243	9901	DieselExhP	2.87E-06	30YrCance	*	2.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
669	ALL	residential	485930.6	3618425	0.003193	9901	DieselExhP	2.82E-06	30YrCance	*	2.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
637	ALL	residential	486130.6	3618325	0.002951	9901	DieselExhP	2.61E-06	30YrCance	*	2.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
670	ALL	residential	486030.6	3618425	0.002932	9901	DieselExhP	2.59E-06	30YrCance	*	2.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
340	ALL	residential	486730.6	3617525	0.002828	9901	DieselExhP	2.50E-06	30YrCance	*	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
534	ALL	residential	486230.6	3618025	0.002824	9901	DieselExhP	2.50E-06	30YrCance	*	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
572	ALL	residential	486230.6	3618125	0.002824	9901	DieselExhP	2.50E-06	30YrCance	*	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
704	ALL	residential	485930.6	3618525	0.002806	9901	DieselExhP	2.48E-06	30YrCance	*	2.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
607	ALL	residential	486230.6	3618225	0.00274	9901	DieselExhP	2.42E-06	30YrCance	*	2.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
741	ALL	residential	485830.6	3618625	0.002669	9901	DieselExhP	2.36E-06	30YrCance	*	2.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
671	ALL	residential	486130.6	3618425	0.002661	9901	DieselExhP	2.35E-06	30YrCance	*	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
374	ALL	residential	486630.6	3617625	0.002636	9901	DieselExhP	2.33E-06	30YrCance	*	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
292	ALL	residential	487030.6	3617325	0.002631	9901	DieselExhP	2.33E-06	30YrCance	*	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
705	ALL	residential	486030.6	3618525	0.002602	9901	DieselExhP	2.30E-06	30YrCance	*	2.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
316	ALL	residential	486930.6	3617425	0.002596	9901	DieselExhP	2.30E-06	30YrCance	*	2.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
638	ALL	residential	486230.6	3618325	0.00258	9901	DieselExhP	2.28E-06	30YrCance	*	2.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
742	ALL	residential	485930.6	3618625	0.002498	9901	DieselExhP	2.21E-06	30YrCance	*	2.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
341	ALL	residential	486830.6	3617525	0.002485	9901	DieselExhP	2.20E-06	30YrCance	*	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
140	ALL	residential	486544.7	3617711	0.002428	9901	DieselExhP	2.15E-06	30YrCance	*	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
495	ALL	residential	486330.6	3617925	0.002401	9901	DieselExhP	2.12E-06	30YrCance	*	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
413	ALL	residential	486530.6	3617725	0.002399	9901	DieselExhP	2.12E-06	30YrCance	*	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
706	ALL	residential	486130.6	3618525	0.002398	9901	DieselExhP	2.12E-06	30YrCance	*	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
779	ALL	residential	485830.6	3618725	0.002393	9901	DieselExhP	2.12E-06	30YrCance	*	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
672	ALL	residential	486230.6	3618425	0.002389	9901	DieselExhP	2.11E-06	30YrCance	*	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
139	ALL	residential	486517.8	3617736	0.002381	9901	DieselExhP	2.11E-06	30YrCance	*	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
273	ALL	residential	487230.6	3617225	0.002361	9901	DieselExhP	2.09E-06	30YrCance	*	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
293	ALL	residential	487130.6	3617325	0.002356	9901	DieselExhP	2.08E-06	30YrCance	*	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
535	ALL	residential	486330.6	3618025	0.002348	9901	DieselExhP	2.08E-06	30YrCance	*	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
138	ALL	residential	486474.2	3617772	0.002344	9901	DieselExhP	2.07E-06	30YrCance	*	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
573	ALL	residential	486330.6	3618125	0.002336	9901	DieselExhP	2.07E-06	30YrCance	*	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
137	ALL	residential	486422.2	3617812	0.002336	9901	DieselExhP	2.07E-06	30YrCance	*	2.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
743	ALL	residential	486030.6	3618625	0.002333	9901	DieselExhP	2.06E-06	30YrCance	*	2.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
608	ALL	residential	486330.6	3618225	0.00232	9901	DieselExhP	2.05E-06	30YrCance	*	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
375	ALL	residential	486730.6	3617625	0.002313	9901	DieselExhP	2.05E-06	30YrCance	*	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
317	ALL	residential	487030.6	3617425	0.00231	9901	DieselExhP	2.04E-06	30YrCance	*	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
454	ALL	residential	486430.6	3617825	0.002269	9901	DieselExhP	2.01E-06	30YrCance	*	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
780	ALL	residential	485930.6	3618725	0.00225	9901	DieselExhP	1.99E-06	30YrCance	*	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
639	ALL	residential	486330.6	3618325	0.002238	9901	DieselExhP	1.98E-06	30YrCance	*	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
342	ALL	residential	486930.6	3617525	0.002213	9901	DieselExhP	1.96E-06	30YrCance	*	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
817	ALL	residential	485830.6	3618825	0.002164	9901	DieselExhP	1.91E-06	30YrCance	*	1.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
274	ALL	residential	487330.6	3617225	0.002149	9901	DieselExhP	1.90E-06	30YrCance	*	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
414	ALL	residential	486630.6	3617725	0.002129	9901	DieselExhP	1.88E-06	30YrCance	*	1.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
294	ALL	residential	487230.6	3617325	0.002126	9901	DieselExhP	1.88E-06	30YrCance	*	1.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
781	ALL	residential	486030.6	3618725	0.00211	9901	DieselExhP	1.87E-06	30YrCance	*	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
141	ALL	residential	486607.9	3617745	0.002101	9901	DieselExhP	1.86E-06	30YrCance	*	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
144	ALL	residential	486456.5	3617863	0.0021	9901	DieselExhP	1.86E-06	30YrCance	*	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
142	ALL	residential	486555.9	3617784	0.002075	9901	DieselExhP	1.83E-06	30YrCance	*	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
318	ALL	residential	487130.6	3617425	0.002074	9901	DieselExhP	1.83E-06	30YrCance	*	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
496	ALL	residential	486430.6	3617925	0.002073	9901	DieselExhP	1.83E-06	30YrCance	*	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
143	ALL	residential	486498.3	3617831	0.002073	9901	DieselExhP	1.83E-06	30YrCance	*	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
376	ALL	residential	486830.6	3617625	0.002065	9901	DieselExhP	1.83E-06	30YrCance	*	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
778	ALL	residential	485330.6	3618725	0.00205	9901	DieselExhP	1.81E-06	30YrCance	*	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
818	ALL	residential	485930.6	3618825	0.002047	9901	DieselExhP	1.81E-06	30YrCance	*	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
816	ALL	residential	485430.6	3618825	0.002047	9901	DieselExhP	1.81E-06	30YrCance	*	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
740	ALL	residential	485230.6	3618625	0.002027	9901	DieselExhP	1.79E-06	30YrCance	*	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
455	ALL	residential	486530.6	3617825	0.00201	9901	DieselExhP	1.78E-06	30YrCance	*	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
744	ALL	residential	486230.6	3618625	0.002009	9901	DieselExhP	1.78E-06	30YrCance	*	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
536	ALL	residential	486430.6	3618025	0.002008	9901	DieselExhP	1.78E-06	30YrCance	*	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
574	ALL	residential	486430.6	3618125	0.001988	9901	DieselExhP	1.76E-06	30YrCance	*	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
275	ALL	residential	487430.6	3617225	0.001987	9901	DieselExhP	1.76E-06	30YrCance	*	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
707	ALL	residential	486330.6	3618525	0.001985	9901	DieselExhP	1.76E-06	30YrCance	*	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
343	ALL	residential	487030.6	3617525	0.00198	9901	DieselExhP	1.75E-06	30YrCance	*	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
858	ALL	residential	485530.6	3618925	0.001978	9901	DieselExhP	1.75E-06	30YrCance	*	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
609	ALL	residential	486430.6	3618225	0.001977	9901	DieselExhP	1.75E-06	30YrCance	*	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
859	ALL	residential	485830.6	3618925	0.001971	9901	DieselExhP	1.74E-06	30YrCance	*	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
295	ALL	residential	487330.6	3617325	0.001934	9901	DieselExhP	1.71E-06	30YrCance	*	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
819	ALL	residential	486030.6	3618825	0.001927	9901	DieselExhP	1.70E-06	30YrCance	*	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1	ALL	residential	487479.5	3617251	0.001927	9901	DieselExhP	1.70E-06	30YrCance	*	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
739	ALL	residential	485130.6	3618625	0.001918	9901	DieselExhP	1.70E-06	30YrCance	*	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
815	ALL	residential	485330.6	3618825	0.001912	9901	DieselExhP	1.69E-06	30YrCance	*	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
415	ALL	residential	486730.6	3617725	0.001906	9901	DieselExhP	1.69E-06	30YrCance	*	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
777	ALL	residential	485230.6	3618725	0.001905	9901	DieselExhP	1.68E-06	30YrCance	*	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
857	ALL	residential	485430.6	3618925	0.001891	9901	DieselExhP	1.67E-06	30YrCance	*	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
17	ALL	residential	487479.5	3617270	0.001891	9901	DieselExhP	1.67E-06	30YrCance	*	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
860	ALL	residential	485930.6	3618925	0.001875	9901	DieselExhP	1.66E-06	30YrCance	*	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
319	ALL	residential	487230.6	3617425	0.001873	9901	DieselExhP	1.66E-06	30YrCance	*	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
673	ALL	residential	486430.6	3618425	0.001872	9901	DieselExhP	1.66E-06	30YrCance	*	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
377	ALL	residential	486930.6	3617625	0.001858	9901	DieselExhP	1.64E-06	30YrCance	*	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
912	ALL	residential	485630.6	3619025	0.001858	9901	DieselExhP	1.64E-06	30YrCance	*	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
913	ALL	residential	485730.6	3619025	0.001857	9901	DieselExhP	1.64E-06	30YrCance	*	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
33	ALL	residential	487479.5	3617289	0.001854	9901	DieselExhP	1.64E-06	30YrCance	*	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
2	ALL	residential	487504.5	3617251	0.001853	9901	DieselExhP	1.64E-06	30YrCance	*	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
745	ALL	residential	486330.6	3618625	0.001849	9901	DieselExhP	1.63E-06	30YrCance	*	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
782	ALL	residential	486230.6	3618725	0.001848	9901	DieselExhP	1.63E-06	30YrCance	*	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
497	ALL	residential	486530.6	3617925	0.001826	9901	DieselExhP	1.61E-06	30YrCance	*	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
494	ALL	residential	484130.6	3617925	0.001825	9901	DieselExhP	1.61E-06	30YrCance	*	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
245	ALL	residential	487730.6	3617025	0.001822	9901	DieselExhP	1.61E-06	30YrCance	*	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
18	ALL	residential	487504.5	3617270	0.00182	9901	DieselExhP	1.61E-06	30YrCance	*	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
49	ALL	residential	487479.5	3617309	0.001818	9901	DieselExhP	1.61E-06	30YrCance	*	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
911	ALL	residential	485530.6	3619025	0.001817	9901	DieselExhP	1.61E-06	30YrCance	*	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
914	ALL	residential	485830.6	3619025	0.001806	9901	DieselExhP	1.60E-06	30YrCance	*	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
3	ALL	residential	487529.5	3617251	0.001806	9901	DieselExhP	1.60E-06	30YrCance	*	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
776	ALL	residential	485130.6	3618725	0.001804	9901	DieselExhP	1.59E-06	30YrCance	*	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
456	ALL	residential	486630.6	3617825	0.0018	9901	DieselExhP	1.59E-06	30YrCance	*	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
296	ALL	residential	487430.6	3617325	0.001793	9901	DieselExhP	1.59E-06	30YrCance	*	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
814	ALL	residential	485230.6	3618825	0.001789	9901	DieselExhP	1.58E-06	30YrCance	*	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
344	ALL	residential	487130.6	3617525	0.001787	9901	DieselExhP	1.58E-06	30YrCance	*	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
34	ALL	residential	487504.5	3617289	0.001787	9901	DieselExhP	1.58E-06	30YrCance	*	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
708	ALL	residential	486430.6	3618525	0.001785	9901	DieselExhP	1.58E-06	30YrCance	*	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
65	ALL	residential	487479.5	3617328	0.001784	9901	DieselExhP	1.58E-06	30YrCance	*	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
856	ALL	residential	485330.6	3618925	0.001783	9901	DieselExhP	1.58E-06	30YrCance	*	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
453	ALL	residential	484230.6	3617825	0.001781	9901	DieselExhP	1.58E-06	30YrCance	*	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
19	ALL	residential	487529.5	3617270	0.001774	9901	DieselExhP	1.57E-06	30YrCance	*	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
861	ALL	residential	486030.6	3618925	0.001771	9901	DieselExhP	1.57E-06	30YrCance	*	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
81	ALL	residential	487479.5	3617347	0.001769	9901	DieselExhP	1.56E-06	30YrCance	*	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
233	ALL	residential	487830.6	3616925	0.001767	9901	DieselExhP	1.56E-06	30YrCance	*	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
4	ALL	residential	487554.5	3617251	0.001766	9901	DieselExhP	1.56E-06	30YrCance	*	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
50	ALL	residential	487504.5	3617309	0.001755	9901	DieselExhP	1.55E-06	30YrCance	*	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
537	ALL	residential	486530.6	3618025	0.001752	9901	DieselExhP	1.55E-06	30YrCance	*	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
910	ALL	residential	485430.6	3619025	0.001747	9901	DieselExhP	1.54E-06	30YrCance	*	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
97	ALL	residential	487474.3	3617363	0.001746	9901	DieselExhP	1.54E-06	30YrCance	*	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
775	ALL	residential	485030.6	3618725	0.001744	9901	DieselExhP	1.54E-06	30YrCance	*	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
35	ALL	residential	487529.5	3617289	0.001743	9901	DieselExhP	1.54E-06	30YrCance	*	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
20	ALL	residential	487554.5	3617270	0.001735	9901	DieselExhP	1.53E-06	30YrCance	*	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
533	ALL	residential	483930.6	3618025	0.001733	9901	DieselExhP	1.53E-06	30YrCance	*	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
575	ALL	residential	486530.6	3618125	0.001732	9901	DieselExhP	1.53E-06	30YrCance	*	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
82	ALL	residential	487504.5	3617347	0.001731	9901	DieselExhP	1.53E-06	30YrCance	*	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
66	ALL	residential	487504.5	3617328	0.00173	9901	DieselExhP	1.53E-06	30YrCance	*	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
5	ALL	residential	487579.5	3617251	0.001729	9901	DieselExhP	1.53E-06	30YrCance	*	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
416	ALL	residential	486830.6	3617725	0.001727	9901	DieselExhP	1.53E-06	30YrCance	*	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
915	ALL	residential	485930.6	3619025	0.001725	9901	DieselExhP	1.53E-06	30YrCance	*	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
783	ALL	residential	486330.6	3618725	0.001717	9901	DieselExhP	1.52E-06	30YrCance	*	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI!	WATER_RI!	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS!	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
51	ALL	residential	487529.5	3617309	0.001714	9901	DieselExhP	1.52E-06	30YrCance	*	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
320	ALL	residential	487330.6	3617425	0.001709	9901	DieselExhP	1.51E-06	30YrCance	*	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
98	ALL	residential	487492.8	3617363	0.001708	9901	DieselExhP	1.51E-06	30YrCance	*	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
966	ALL	residential	485630.6	3619125	0.001706	9901	DieselExhP	1.51E-06	30YrCance	*	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
820	ALL	residential	486230.6	3618825	0.001706	9901	DieselExhP	1.51E-06	30YrCance	*	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
36	ALL	residential	487554.5	3617289	0.001705	9901	DieselExhP	1.51E-06	30YrCance	*	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
967	ALL	residential	485730.6	3619125	0.001703	9901	DieselExhP	1.51E-06	30YrCance	*	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
21	ALL	residential	487579.5	3617270	0.001699	9901	DieselExhP	1.50E-06	30YrCance	*	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
83	ALL	residential	487529.5	3617347	0.001695	9901	DieselExhP	1.50E-06	30YrCance	*	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
6	ALL	residential	487604.5	3617251	0.001695	9901	DieselExhP	1.50E-06	30YrCance	*	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
107	ALL	residential	487474.3	3617382	0.001694	9901	DieselExhP	1.50E-06	30YrCance	*	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
493	ALL	residential	484030.6	3617925	0.001694	9901	DieselExhP	1.50E-06	30YrCance	*	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
246	ALL	residential	487830.6	3617025	0.001692	9901	DieselExhP	1.50E-06	30YrCance	*	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
67	ALL	residential	487529.5	3617328	0.001692	9901	DieselExhP	1.50E-06	30YrCance	*	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
640	ALL	residential	486530.6	3618325	0.00169	9901	DieselExhP	1.49E-06	30YrCance	*	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
746	ALL	residential	486430.6	3618625	0.001689	9901	DieselExhP	1.49E-06	30YrCance	*	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
813	ALL	residential	485130.6	3618825	0.001689	9901	DieselExhP	1.49E-06	30YrCance	*	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
373	ALL	residential	484430.6	3617625	0.001687	9901	DieselExhP	1.49E-06	30YrCance	*	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
378	ALL	residential	487030.6	3617625	0.001679	9901	DieselExhP	1.48E-06	30YrCance	*	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
52	ALL	residential	487554.5	3617309	0.001678	9901	DieselExhP	1.48E-06	30YrCance	*	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
99	ALL	residential	487511.3	3617363	0.001677	9901	DieselExhP	1.48E-06	30YrCance	*	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
855	ALL	residential	485230.6	3618925	0.001674	9901	DieselExhP	1.48E-06	30YrCance	*	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
965	ALL	residential	485530.6	3619125	0.001673	9901	DieselExhP	1.48E-06	30YrCance	*	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
37	ALL	residential	487579.5	3617289	0.001671	9901	DieselExhP	1.48E-06	30YrCance	*	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
22	ALL	residential	487604.5	3617270	0.001666	9901	DieselExhP	1.47E-06	30YrCance	*	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
7	ALL	residential	487629.5	3617251	0.001662	9901	DieselExhP	1.47E-06	30YrCance	*	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
968	ALL	residential	485830.6	3619125	0.001661	9901	DieselExhP	1.47E-06	30YrCance	*	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
84	ALL	residential	487554.5	3617347	0.001661	9901	DieselExhP	1.47E-06	30YrCance	*	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
909	ALL	residential	485330.6	3619025	0.00166	9901	DieselExhP	1.47E-06	30YrCance	*	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
68	ALL	residential	487554.5	3617328	0.001658	9901	DieselExhP	1.47E-06	30YrCance	*	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
234	ALL	residential	487930.6	3616925	0.001657	9901	DieselExhP	1.47E-06	30YrCance	*	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
452	ALL	residential	484130.6	3617825	0.001656	9901	DieselExhP	1.46E-06	30YrCance	*	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
674	ALL	residential	486530.6	3618425	0.001655	9901	DieselExhP	1.46E-06	30YrCance	*	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
117	ALL	residential	487474.3	3617400	0.001652	9901	DieselExhP	1.46E-06	30YrCance	*	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
100	ALL	residential	487529.8	3617363	0.00165	9901	DieselExhP	1.46E-06	30YrCance	*	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
53	ALL	residential	487579.5	3617309	0.001645	9901	DieselExhP	1.45E-06	30YrCance	*	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
108	ALL	residential	487492.8	3617382	0.001641	9901	DieselExhP	1.45E-06	30YrCance	*	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
38	ALL	residential	487604.5	3617289	0.001638	9901	DieselExhP	1.45E-06	30YrCance	*	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
916	ALL	residential	486030.6	3619025	0.001635	9901	DieselExhP	1.45E-06	30YrCance	*	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
23	ALL	residential	487629.5	3617270	0.001633	9901	DieselExhP	1.44E-06	30YrCance	*	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
498	ALL	residential	486630.6	3617925	0.00163	9901	DieselExhP	1.44E-06	30YrCance	*	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
85	ALL	residential	487579.5	3617347	0.00163	9901	DieselExhP	1.44E-06	30YrCance	*	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
8	ALL	residential	487654.5	3617251	0.001629	9901	DieselExhP	1.44E-06	30YrCance	*	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
457	ALL	residential	486730.6	3617825	0.001629	9901	DieselExhP	1.44E-06	30YrCance	*	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
532	ALL	residential	483830.6	3618025	0.001629	9901	DieselExhP	1.44E-06	30YrCance	*	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
345	ALL	residential	487230.6	3617525	0.001627	9901	DieselExhP	1.44E-06	30YrCance	*	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
810	ALL	residential	484830.6	3618825	0.001627	9901	DieselExhP	1.44E-06	30YrCance	*	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
812	ALL	residential	485030.6	3618825	0.001626	9901	DieselExhP	1.44E-06	30YrCance	*	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
69	ALL	residential	487579.5	3617328	0.001626	9901	DieselExhP	1.44E-06	30YrCance	*	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
101	ALL	residential	487548.3	3617363	0.001625	9901	DieselExhP	1.44E-06	30YrCance	*	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
410	ALL	residential	484230.6	3617725	0.001619	9901	DieselExhP	1.43E-06	30YrCance	*	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
964	ALL	residential	485430.6	3619125	0.001619	9901	DieselExhP	1.43E-06	30YrCance	*	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
224	ALL	residential	488030.6	3616825	0.001614	9901	DieselExhP	1.43E-06	30YrCance	*	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
124	ALL	residential	487474.3	3617419	0.001613	9901	DieselExhP	1.43E-06	30YrCance	*	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
54	ALL	residential	487604.5	3617309	0.001613	9901	DieselExhP	1.43E-06	30YrCance	*	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
109	ALL	residential	487511.3	3617382	0.001607	9901	DieselExhP	1.42E-06	30YrCance	*	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
39	ALL	residential	487629.5	3617289	0.001606	9901	DieselExhP	1.42E-06	30YrCance	*	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
102	ALL	residential	487566.8	3617363	0.001602	9901	DieselExhP	1.42E-06	30YrCance	*	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
24	ALL	residential	487654.5	3617270	0.001601	9901	DieselExhP	1.42E-06	30YrCance	*	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
811	ALL	residential	484930.6	3618825	0.0016	9901	DieselExhP	1.41E-06	30YrCance	*	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
709	ALL	residential	486530.6	3618525	0.0016	9901	DieselExhP	1.41E-06	30YrCance	*	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
86	ALL	residential	487604.5	3617347	0.0016	9901	DieselExhP	1.41E-06	30YrCance	*	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
9	ALL	residential	487679.5	3617251	0.001598	9901	DieselExhP	1.41E-06	30YrCance	*	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
118	ALL	residential	487492.8	3617400	0.001597	9901	DieselExhP	1.41E-06	30YrCance	*	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
821	ALL	residential	486330.6	3618825	0.001597	9901	DieselExhP	1.41E-06	30YrCance	*	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
492	ALL	residential	483930.6	3617925	0.001594	9901	DieselExhP	1.41E-06	30YrCance	*	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
70	ALL	residential	487604.5	3617328	0.001594	9901	DieselExhP	1.41E-06	30YrCance	*	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
969	ALL	residential	485930.6	3619125	0.001593	9901	DieselExhP	1.41E-06	30YrCance	*	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
784	ALL	residential	486430.6	3618725	0.001589	9901	DieselExhP	1.40E-06	30YrCance	*	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
321	ALL	residential	487430.6	3617425	0.001588	9901	DieselExhP	1.40E-06	30YrCance	*	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
854	ALL	residential	485130.6	3618925	0.001584	9901	DieselExhP	1.40E-06	30YrCance	*	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
127	ALL	residential	487473.6	3617435	0.001583	9901	DieselExhP	1.40E-06	30YrCance	*	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
372	ALL	residential	484330.6	3617625	0.001582	9901	DieselExhP	1.40E-06	30YrCance	*	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
55	ALL	residential	487629.5	3617309	0.001582	9901	DieselExhP	1.40E-06	30YrCance	*	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
862	ALL	residential	486230.6	3618925	0.00158	9901	DieselExhP	1.40E-06	30YrCance	*	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
110	ALL	residential	487529.8	3617382	0.00158	9901	DieselExhP	1.40E-06	30YrCance	*	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
103	ALL	residential	487585.3	3617363	0.00158	9901	DieselExhP	1.40E-06	30YrCance	*	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
247	ALL	residential	487930.6	3617025	0.001579	9901	DieselExhP	1.40E-06	30YrCance	*	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
40	ALL	residential	487654.5	3617289	0.001574	9901	DieselExhP	1.39E-06	30YrCance	*	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
417	ALL	residential	486930.6	3617725	0.001573	9901	DieselExhP	1.39E-06	30YrCance	*	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1022	ALL	residential	485630.6	3619225	0.001571	9901	DieselExhP	1.39E-06	30YrCance	*	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
25	ALL	residential	487679.5	3617270	0.00157	9901	DieselExhP	1.39E-06	30YrCance	*	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
87	ALL	residential	487629.5	3617347	0.001569	9901	DieselExhP	1.39E-06	30YrCance	*	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1023	ALL	residential	485730.6	3619225	0.001569	9901	DieselExhP	1.39E-06	30YrCance	*	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
10	ALL	residential	487704.5	3617251	0.001567	9901	DieselExhP	1.39E-06	30YrCance	*	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
908	ALL	residential	485230.6	3619025	0.001567	9901	DieselExhP	1.39E-06	30YrCance	*	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
71	ALL	residential	487629.5	3617328	0.001564	9901	DieselExhP	1.38E-06	30YrCance	*	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
119	ALL	residential	487511.3	3617400	0.001562	9901	DieselExhP	1.38E-06	30YrCance	*	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
235	ALL	residential	488030.6	3616925	0.001561	9901	DieselExhP	1.38E-06	30YrCance	*	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
451	ALL	residential	484030.6	3617825	0.001561	9901	DieselExhP	1.38E-06	30YrCance	*	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
569	ALL	residential	483630.6	3618125	0.001561	9901	DieselExhP	1.38E-06	30YrCance	*	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
125	ALL	residential	487492.8	3617419	0.001558	9901	DieselExhP	1.38E-06	30YrCance	*	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
104	ALL	residential	487603.8	3617363	0.001557	9901	DieselExhP	1.38E-06	30YrCance	*	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
211	ALL	residential	488130.6	3616725	0.001557	9901	DieselExhP	1.38E-06	30YrCance	*	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
111	ALL	residential	487548.3	3617382	0.001555	9901	DieselExhP	1.38E-06	30YrCance	*	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
538	ALL	residential	486630.6	3618025	0.001554	9901	DieselExhP	1.37E-06	30YrCance	*	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
56	ALL	residential	487654.5	3617309	0.00155	9901	DieselExhP	1.37E-06	30YrCance	*	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
963	ALL	residential	485330.6	3619125	0.001546	9901	DieselExhP	1.37E-06	30YrCance	*	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1021	ALL	residential	485530.6	3619225	0.001545	9901	DieselExhP	1.37E-06	30YrCance	*	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
41	ALL	residential	487679.5	3617289	0.001542	9901	DieselExhP	1.36E-06	30YrCance	*	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
26	ALL	residential	487704.5	3617270	0.001539	9901	DieselExhP	1.36E-06	30YrCance	*	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
11	ALL	residential	487729.5	3617251	0.001538	9901	DieselExhP	1.36E-06	30YrCance	*	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
88	ALL	residential	487654.5	3617347	0.001538	9901	DieselExhP	1.36E-06	30YrCance	*	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1024	ALL	residential	485830.6	3619225	0.001536	9901	DieselExhP	1.36E-06	30YrCance	*	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
105	ALL	residential	487622.3	3617363	0.001534	9901	DieselExhP	1.36E-06	30YrCance	*	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
120	ALL	residential	487529.8	3617400	0.001534	9901	DieselExhP	1.36E-06	30YrCance	*	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
747	ALL	residential	486530.6	3618625	0.001533	9901	DieselExhP	1.36E-06	30YrCance	*	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
112	ALL	residential	487566.8	3617382	0.001533	9901	DieselExhP	1.36E-06	30YrCance	*	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
72	ALL	residential	487654.5	3617328	0.001532	9901	DieselExhP	1.35E-06	30YrCance	*	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
531	ALL	residential	483730.6	3618025	0.001532	9901	DieselExhP	1.35E-06	30YrCance	*	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
379	ALL	residential	487130.6	3617625	0.001528	9901	DieselExhP	1.35E-06	30YrCance	*	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
409	ALL	residential	484130.6	3617725	0.001528	9901	DieselExhP	1.35E-06	30YrCance	*	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
850	ALL	residential	484730.6	3618925	0.001527	9901	DieselExhP	1.35E-06	30YrCance	*	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
339	ALL	residential	484430.6	3617525	0.001525	9901	DieselExhP	1.35E-06	30YrCance	*	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
126	ALL	residential	487511.3	3617419	0.001523	9901	DieselExhP	1.35E-06	30YrCance	*	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
225	ALL	residential	488130.6	3616825	0.001522	9901	DieselExhP	1.35E-06	30YrCance	*	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
853	ALL	residential	485030.6	3618925	0.001522	9901	DieselExhP	1.35E-06	30YrCance	*	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
57	ALL	residential	487679.5	3617309	0.001517	9901	DieselExhP	1.34E-06	30YrCance	*	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
970	ALL	residential	486030.6	3619125	0.001515	9901	DieselExhP	1.34E-06	30YrCance	*	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
106	ALL	residential	487640.8	3617363	0.001512	9901	DieselExhP	1.34E-06	30YrCance	*	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
42	ALL	residential	487704.5	3617289	0.001511	9901	DieselExhP	1.34E-06	30YrCance	*	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
113	ALL	residential	487585.3	3617382	0.001511	9901	DieselExhP	1.34E-06	30YrCance	*	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
121	ALL	residential	487548.3	3617400	0.00151	9901	DieselExhP	1.34E-06	30YrCance	*	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
27	ALL	residential	487729.5	3617270	0.00151	9901	DieselExhP	1.33E-06	30YrCance	*	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
12	ALL	residential	487754.5	3617251	0.001509	9901	DieselExhP	1.33E-06	30YrCance	*	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
491	ALL	residential	483830.6	3617925	0.001509	9901	DieselExhP	1.33E-06	30YrCance	*	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1020	ALL	residential	485430.6	3619225	0.0015	9901	DieselExhP	1.33E-06	30YrCance	*	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
851	ALL	residential	484830.6	3618925	0.0015	9901	DieselExhP	1.33E-06	30YrCance	*	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
901	ALL	residential	484530.6	3619025	0.001499	9901	DieselExhP	1.33E-06	30YrCance	*	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
371	ALL	residential	484230.6	3617625	0.001498	9901	DieselExhP	1.32E-06	30YrCance	*	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
852	ALL	residential	484930.6	3618925	0.001496	9901	DieselExhP	1.32E-06	30YrCance	*	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
73	ALL	residential	487679.5	3617328	0.001493	9901	DieselExhP	1.32E-06	30YrCance	*	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
201	ALL	residential	488230.6	3616625	0.001492	9901	DieselExhP	1.32E-06	30YrCance	*	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
458	ALL	residential	486830.6	3617825	0.001491	9901	DieselExhP	1.32E-06	30YrCance	*	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
315	ALL	residential	484530.6	3617425	0.001491	9901	DieselExhP	1.32E-06	30YrCance	*	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
822	ALL	residential	486430.6	3618825	0.00149	9901	DieselExhP	1.32E-06	30YrCance	*	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
863	ALL	residential	486330.6	3618925	0.001489	9901	DieselExhP	1.32E-06	30YrCance	*	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
114	ALL	residential	487603.8	3617382	0.001489	9901	DieselExhP	1.32E-06	30YrCance	*	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
122	ALL	residential	487566.8	3617400	0.001488	9901	DieselExhP	1.32E-06	30YrCance	*	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
907	ALL	residential	485130.6	3619025	0.001487	9901	DieselExhP	1.32E-06	30YrCance	*	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
641	ALL	residential	486630.6	3618325	0.001487	9901	DieselExhP	1.31E-06	30YrCance	*	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
58	ALL	residential	487704.5	3617309	0.001483	9901	DieselExhP	1.31E-06	30YrCance	*	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
248	ALL	residential	488030.6	3617025	0.001483	9901	DieselExhP	1.31E-06	30YrCance	*	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
13	ALL	residential	487779.5	3617251	0.001482	9901	DieselExhP	1.31E-06	30YrCance	*	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
28	ALL	residential	487754.5	3617270	0.001481	9901	DieselExhP	1.31E-06	30YrCance	*	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
43	ALL	residential	487729.5	3617289	0.001481	9901	DieselExhP	1.31E-06	30YrCance	*	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
450	ALL	residential	483930.6	3617825	0.00148	9901	DieselExhP	1.31E-06	30YrCance	*	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1025	ALL	residential	485930.6	3619225	0.001479	9901	DieselExhP	1.31E-06	30YrCance	*	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
212	ALL	residential	488230.6	3616725	0.001478	9901	DieselExhP	1.31E-06	30YrCance	*	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
568	ALL	residential	483530.6	3618125	0.001476	9901	DieselExhP	1.31E-06	30YrCance	*	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
128	ALL	residential	487656.4	3617366	0.001475	9901	DieselExhP	1.30E-06	30YrCance	*	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
499	ALL	residential	486730.6	3617925	0.001473	9901	DieselExhP	1.30E-06	30YrCance	*	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
89	ALL	residential	487679.5	3617347	0.001468	9901	DieselExhP	1.30E-06	30YrCance	*	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
917	ALL	residential	486230.6	3619025	0.001468	9901	DieselExhP	1.30E-06	30YrCance	*	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
115	ALL	residential	487622.3	3617382	0.001467	9901	DieselExhP	1.30E-06	30YrCance	*	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
675	ALL	residential	486630.6	3618425	0.001467	9901	DieselExhP	1.30E-06	30YrCance	*	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
123	ALL	residential	487585.3	3617400	0.001467	9901	DieselExhP	1.30E-06	30YrCance	*	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
962	ALL	residential	485230.6	3619125	0.001466	9901	DieselExhP	1.30E-06	30YrCance	*	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
236	ALL	residential	488130.6	3616925	0.001465	9901	DieselExhP	1.30E-06	30YrCance	*	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
785	ALL	residential	486530.6	3618725	0.001462	9901	DieselExhP	1.29E-06	30YrCance	*	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
530	ALL	residential	483630.6	3618025	0.001457	9901	DieselExhP	1.29E-06	30YrCance	*	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1080	ALL	residential	485630.6	3619325	0.001456	9901	DieselExhP	1.29E-06	30YrCance	*	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
14	ALL	residential	487804.5	3617251	0.001455	9901	DieselExhP	1.29E-06	30YrCance	*	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
74	ALL	residential	487704.5	3617328	0.001454	9901	DieselExhP	1.29E-06	30YrCance	*	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
29	ALL	residential	487779.5	3617270	0.001454	9901	DieselExhP	1.29E-06	30YrCance	*	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1081	ALL	residential	485730.6	3619325	0.001454	9901	DieselExhP	1.29E-06	30YrCance	*	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
44	ALL	residential	487754.5	3617289	0.001453	9901	DieselExhP	1.28E-06	30YrCance	*	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
59	ALL	residential	487729.5	3617309	0.001452	9901	DieselExhP	1.28E-06	30YrCance	*	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
338	ALL	residential	484330.6	3617525	0.001451	9901	DieselExhP	1.28E-06	30YrCance	*	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
408	ALL	residential	484030.6	3617725	0.001451	9901	DieselExhP	1.28E-06	30YrCance	*	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
116	ALL	residential	487640.8	3617382	0.001446	9901	DieselExhP	1.28E-06	30YrCance	*	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
902	ALL	residential	484630.6	3619025	0.001444	9901	DieselExhP	1.28E-06	30YrCance	*	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1064	ALL	residential	484030.6	3619325	0.001444	9901	DieselExhP	1.28E-06	30YrCance	*	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
226	ALL	residential	488230.6	3616825	0.001441	9901	DieselExhP	1.27E-06	30YrCance	*	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1019	ALL	residential	485330.6	3619225	0.001441	9901	DieselExhP	1.27E-06	30YrCance	*	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
490	ALL	residential	483730.6	3617925	0.001436	9901	DieselExhP	1.27E-06	30YrCance	*	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
710	ALL	residential	486630.6	3618525	0.001436	9901	DieselExhP	1.27E-06	30YrCance	*	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1079	ALL	residential	485530.6	3619325	0.001434	9901	DieselExhP	1.27E-06	30YrCance	*	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
418	ALL	residential	487030.6	3617725	0.001434	9901	DieselExhP	1.27E-06	30YrCance	*	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
906	ALL	residential	485030.6	3619025	0.001432	9901	DieselExhP	1.27E-06	30YrCance	*	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
603	ALL	residential	483330.6	3618225	0.00143	9901	DieselExhP	1.26E-06	30YrCance	*	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
15	ALL	residential	487829.5	3617251	0.001429	9901	DieselExhP	1.26E-06	30YrCance	*	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
30	ALL	residential	487804.5	3617270	0.001428	9901	DieselExhP	1.26E-06	30YrCance	*	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1082	ALL	residential	485830.6	3619325	0.001426	9901	DieselExhP	1.26E-06	30YrCance	*	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
45	ALL	residential	487779.5	3617289	0.001426	9901	DieselExhP	1.26E-06	30YrCance	*	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
192	ALL	residential	488330.6	3616525	0.001425	9901	DieselExhP	1.26E-06	30YrCance	*	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
370	ALL	residential	484130.6	3617625	0.001425	9901	DieselExhP	1.26E-06	30YrCance	*	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
60	ALL	residential	487754.5	3617309	0.001424	9901	DieselExhP	1.26E-06	30YrCance	*	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
90	ALL	residential	487704.5	3617347	0.001423	9901	DieselExhP	1.26E-06	30YrCance	*	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
75	ALL	residential	487729.5	3617328	0.001423	9901	DieselExhP	1.26E-06	30YrCance	*	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
954	ALL	residential	484430.6	3619125	0.001423	9901	DieselExhP	1.26E-06	30YrCance	*	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
202	ALL	residential	488330.6	3616625	0.001419	9901	DieselExhP	1.25E-06	30YrCance	*	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1008	ALL	residential	484230.6	3619225	0.001416	9901	DieselExhP	1.25E-06	30YrCance	*	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1026	ALL	residential	486030.6	3619225	0.001411	9901	DieselExhP	1.25E-06	30YrCance	*	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
449	ALL	residential	483830.6	3617825	0.001409	9901	DieselExhP	1.25E-06	30YrCance	*	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
567	ALL	residential	483430.6	3618125	0.001407	9901	DieselExhP	1.24E-06	30YrCance	*	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
903	ALL	residential	484730.6	3619025	0.001404	9901	DieselExhP	1.24E-06	30YrCance	*	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
16	ALL	residential	487854.5	3617251	0.001403	9901	DieselExhP	1.24E-06	30YrCance	*	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
31	ALL	residential	487829.5	3617270	0.001403	9901	DieselExhP	1.24E-06	30YrCance	*	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
905	ALL	residential	484930.6	3619025	0.001403	9901	DieselExhP	1.24E-06	30YrCance	*	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
46	ALL	residential	487804.5	3617289	0.001401	9901	DieselExhP	1.24E-06	30YrCance	*	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
213	ALL	residential	488330.6	3616725	0.0014	9901	DieselExhP	1.24E-06	30YrCance	*	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
864	ALL	residential	486430.6	3618925	0.001398	9901	DieselExhP	1.24E-06	30YrCance	*	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
61	ALL	residential	487779.5	3617309	0.001398	9901	DieselExhP	1.24E-06	30YrCance	*	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
961	ALL	residential	485130.6	3619125	0.001396	9901	DieselExhP	1.23E-06	30YrCance	*	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
76	ALL	residential	487754.5	3617328	0.001395	9901	DieselExhP	1.23E-06	30YrCance	*	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1078	ALL	residential	485430.6	3619325	0.001395	9901	DieselExhP	1.23E-06	30YrCance	*	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
249	ALL	residential	488130.6	3617025	0.001394	9901	DieselExhP	1.23E-06	30YrCance	*	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
91	ALL	residential	487729.5	3617347	0.001392	9901	DieselExhP	1.23E-06	30YrCance	*	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
904	ALL	residential	484830.6	3619025	0.001392	9901	DieselExhP	1.23E-06	30YrCance	*	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
918	ALL	residential	486330.6	3619025	0.001392	9901	DieselExhP	1.23E-06	30YrCance	*	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
529	ALL	residential	483530.6	3618025	0.001391	9901	DieselExhP	1.23E-06	30YrCance	*	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
748	ALL	residential	486630.6	3618625	0.001391	9901	DieselExhP	1.23E-06	30YrCance	*	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
337	ALL	residential	484230.6	3617525	0.001386	9901	DieselExhP	1.23E-06	30YrCance	*	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
823	ALL	residential	486530.6	3618825	0.001386	9901	DieselExhP	1.23E-06	30YrCance	*	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
635	ALL	residential	483130.6	3618325	0.001385	9901	DieselExhP	1.22E-06	30YrCance	*	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
407	ALL	residential	483930.6	3617725	0.001384	9901	DieselExhP	1.22E-06	30YrCance	*	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
237	ALL	residential	488230.6	3616925	0.001382	9901	DieselExhP	1.22E-06	30YrCance	*	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1083	ALL	residential	485930.6	3619325	0.001379	9901	DieselExhP	1.22E-06	30YrCance	*	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
32	ALL	residential	487854.5	3617270	0.001378	9901	DieselExhP	1.22E-06	30YrCance	*	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
47	ALL	residential	487829.5	3617289	0.001376	9901	DieselExhP	1.22E-06	30YrCance	*	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1018	ALL	residential	485230.6	3619225	0.001373	9901	DieselExhP	1.21E-06	30YrCance	*	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
62	ALL	residential	487804.5	3617309	0.001373	9901	DieselExhP	1.21E-06	30YrCance	*	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
489	ALL	residential	483630.6	3617925	0.001372	9901	DieselExhP	1.21E-06	30YrCance	*	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
77	ALL	residential	487779.5	3617328	0.00137	9901	DieselExhP	1.21E-06	30YrCance	*	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
971	ALL	residential	486230.6	3619125	0.001368	9901	DieselExhP	1.21E-06	30YrCance	*	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
602	ALL	residential	483230.6	3618225	0.001368	9901	DieselExhP	1.21E-06	30YrCance	*	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
92	ALL	residential	487754.5	3617347	0.001366	9901	DieselExhP	1.21E-06	30YrCance	*	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
459	ALL	residential	486930.6	3617825	0.001364	9901	DieselExhP	1.21E-06	30YrCance	*	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
193	ALL	residential	488430.6	3616525	0.001363	9901	DieselExhP	1.21E-06	30YrCance	*	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
955	ALL	residential	484530.6	3619125	0.001363	9901	DieselExhP	1.21E-06	30YrCance	*	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
369	ALL	residential	484030.6	3617625	0.001362	9901	DieselExhP	1.20E-06	30YrCance	*	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
227	ALL	residential	488330.6	3616825	0.00136	9901	DieselExhP	1.20E-06	30YrCance	*	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1138	ALL	residential	485630.6	3619425	0.001357	9901	DieselExhP	1.20E-06	30YrCance	*	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1139	ALL	residential	485730.6	3619425	0.001354	9901	DieselExhP	1.20E-06	30YrCance	*	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
48	ALL	residential	487854.5	3617289	0.001352	9901	DieselExhP	1.20E-06	30YrCance	*	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
203	ALL	residential	488430.6	3616625	0.001351	9901	DieselExhP	1.19E-06	30YrCance	*	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
63	ALL	residential	487829.5	3617309	0.001349	9901	DieselExhP	1.19E-06	30YrCance	*	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
566	ALL	residential	483330.6	3618125	0.001349	9901	DieselExhP	1.19E-06	30YrCance	*	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
448	ALL	residential	483730.6	3617825	0.001348	9901	DieselExhP	1.19E-06	30YrCance	*	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1065	ALL	residential	484130.6	3619325	0.001347	9901	DieselExhP	1.19E-06	30YrCance	*	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
500	ALL	residential	486830.6	3617925	0.001347	9901	DieselExhP	1.19E-06	30YrCance	*	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
960	ALL	residential	485030.6	3619125	0.001346	9901	DieselExhP	1.19E-06	30YrCance	*	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1077	ALL	residential	485330.6	3619325	0.001346	9901	DieselExhP	1.19E-06	30YrCance	*	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1009	ALL	residential	484330.6	3619225	0.001346	9901	DieselExhP	1.19E-06	30YrCance	*	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
78	ALL	residential	487804.5	3617328	0.001345	9901	DieselExhP	1.19E-06	30YrCance	*	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
93	ALL	residential	487779.5	3617347	0.001341	9901	DieselExhP	1.19E-06	30YrCance	*	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
610	ALL	residential	486730.6	3618225	0.001341	9901	DieselExhP	1.19E-06	30YrCance	*	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1137	ALL	residential	485530.6	3619425	0.001338	9901	DieselExhP	1.18E-06	30YrCance	*	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
786	ALL	residential	486630.6	3618725	0.001338	9901	DieselExhP	1.18E-06	30YrCance	*	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
528	ALL	residential	483430.6	3618025	0.001334	9901	DieselExhP	1.18E-06	30YrCance	*	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
634	ALL	residential	483030.6	3618325	0.001333	9901	DieselExhP	1.18E-06	30YrCance	*	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1140	ALL	residential	485830.6	3619425	0.001331	9901	DieselExhP	1.18E-06	30YrCance	*	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
336	ALL	residential	484130.6	3617525	0.001329	9901	DieselExhP	1.18E-06	30YrCance	*	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
214	ALL	residential	488430.6	3616725	0.001328	9901	DieselExhP	1.17E-06	30YrCance	*	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
64	ALL	residential	487854.5	3617309	0.001326	9901	DieselExhP	1.17E-06	30YrCance	*	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
406	ALL	residential	483830.6	3617725	0.001326	9901	DieselExhP	1.17E-06	30YrCance	*	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
642	ALL	residential	486730.6	3618325	0.001326	9901	DieselExhP	1.17E-06	30YrCance	*	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
79	ALL	residential	487829.5	3617328	0.001322	9901	DieselExhP	1.17E-06	30YrCance	*	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
956	ALL	residential	484630.6	3619125	0.001322	9901	DieselExhP	1.17E-06	30YrCance	*	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1084	ALL	residential	486030.6	3619325	0.00132	9901	DieselExhP	1.17E-06	30YrCance	*	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
94	ALL	residential	487804.5	3617347	0.001318	9901	DieselExhP	1.17E-06	30YrCance	*	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
488	ALL	residential	483530.6	3617925	0.001316	9901	DieselExhP	1.16E-06	30YrCance	*	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
919	ALL	residential	486430.6	3619025	0.001315	9901	DieselExhP	1.16E-06	30YrCance	*	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
959	ALL	residential	484930.6	3619125	0.001313	9901	DieselExhP	1.16E-06	30YrCance	*	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
601	ALL	residential	483130.6	3618225	0.001311	9901	DieselExhP	1.16E-06	30YrCance	*	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1017	ALL	residential	485130.6	3619225	0.001311	9901	DieselExhP	1.16E-06	30YrCance	*	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
865	ALL	residential	486530.6	3618925	0.00131	9901	DieselExhP	1.16E-06	30YrCance	*	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
676	ALL	residential	486730.6	3618425	0.00131	9901	DieselExhP	1.16E-06	30YrCance	*	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
250	ALL	residential	488230.6	3617025	0.001306	9901	DieselExhP	1.16E-06	30YrCance	*	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
368	ALL	residential	483930.6	3617625	0.001306	9901	DieselExhP	1.15E-06	30YrCance	*	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
185	ALL	residential	488530.6	3616425	0.001306	9901	DieselExhP	1.15E-06	30YrCance	*	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1136	ALL	residential	485430.6	3619425	0.001304	9901	DieselExhP	1.15E-06	30YrCance	*	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
972	ALL	residential	486330.6	3619125	0.001303	9901	DieselExhP	1.15E-06	30YrCance	*	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
194	ALL	residential	488530.6	3616525	0.001303	9901	DieselExhP	1.15E-06	30YrCance	*	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
312	ALL	residential	484230.6	3617425	0.0013	9901	DieselExhP	1.15E-06	30YrCance	*	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
957	ALL	residential	484730.6	3619125	0.0013	9901	DieselExhP	1.15E-06	30YrCance	*	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
238	ALL	residential	488330.6	3616925	0.0013	9901	DieselExhP	1.15E-06	30YrCance	*	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
80	ALL	residential	487854.5	3617328	0.0013	9901	DieselExhP	1.15E-06	30YrCance	*	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
565	ALL	residential	483230.6	3618125	0.001298	9901	DieselExhP	1.15E-06	30YrCance	*	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
958	ALL	residential	484830.6	3619125	0.001297	9901	DieselExhP	1.15E-06	30YrCance	*	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1122	ALL	residential	484030.6	3619425	0.001296	9901	DieselExhP	1.15E-06	30YrCance	*	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
95	ALL	residential	487829.5	3617347	0.001295	9901	DieselExhP	1.15E-06	30YrCance	*	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
447	ALL	residential	483630.6	3617825	0.001295	9901	DieselExhP	1.15E-06	30YrCance	*	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1010	ALL	residential	484430.6	3619225	0.001292	9901	DieselExhP	1.14E-06	30YrCance	*	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1141	ALL	residential	485930.6	3619425	0.001291	9901	DieselExhP	1.14E-06	30YrCance	*	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
711	ALL	residential	486730.6	3618525	0.001291	9901	DieselExhP	1.14E-06	30YrCance	*	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
204	ALL	residential	488530.6	3616625	0.00129	9901	DieselExhP	1.14E-06	30YrCance	*	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1076	ALL	residential	485230.6	3619325	0.001288	9901	DieselExhP	1.14E-06	30YrCance	*	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
228	ALL	residential	488430.6	3616825	0.001285	9901	DieselExhP	1.14E-06	30YrCance	*	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
527	ALL	residential	483330.6	3618025	0.001282	9901	DieselExhP	1.13E-06	30YrCance	*	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
824	ALL	residential	486630.6	3618825	0.001282	9901	DieselExhP	1.13E-06	30YrCance	*	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1027	ALL	residential	486230.6	3619225	0.00128	9901	DieselExhP	1.13E-06	30YrCance	*	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
335	ALL	residential	484030.6	3617525	0.001278	9901	DieselExhP	1.13E-06	30YrCance	*	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
96	ALL	residential	487854.5	3617347	0.001274	9901	DieselExhP	1.13E-06	30YrCance	*	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1066	ALL	residential	484230.6	3619325	0.001274	9901	DieselExhP	1.13E-06	30YrCance	*	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
405	ALL	residential	483730.6	3617725	0.001272	9901	DieselExhP	1.13E-06	30YrCance	*	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1193	ALL	residential	485630.6	3619525	0.00127	9901	DieselExhP	1.12E-06	30YrCance	*	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1194	ALL	residential	485730.6	3619525	0.001266	9901	DieselExhP	1.12E-06	30YrCance	*	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
600	ALL	residential	483030.6	3618225	0.001266	9901	DieselExhP	1.12E-06	30YrCance	*	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
749	ALL	residential	486730.6	3618625	0.001263	9901	DieselExhP	1.12E-06	30YrCance	*	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
487	ALL	residential	483430.6	3617925	0.001262	9901	DieselExhP	1.12E-06	30YrCance	*	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
215	ALL	residential	488530.6	3616725	0.001262	9901	DieselExhP	1.12E-06	30YrCance	*	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1016	ALL	residential	485030.6	3619225	0.001261	9901	DieselExhP	1.12E-06	30YrCance	*	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1135	ALL	residential	485330.6	3619425	0.001259	9901	DieselExhP	1.11E-06	30YrCance	*	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
367	ALL	residential	483830.6	3617625	0.001257	9901	DieselExhP	1.11E-06	30YrCance	*	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
186	ALL	residential	488630.6	3616425	0.001254	9901	DieselExhP	1.11E-06	30YrCance	*	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1192	ALL	residential	485530.6	3619525	0.001254	9901	DieselExhP	1.11E-06	30YrCance	*	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
311	ALL	residential	484130.6	3617425	0.001253	9901	DieselExhP	1.11E-06	30YrCance	*	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
179	ALL	residential	488630.6	3616325	0.001252	9901	DieselExhP	1.11E-06	30YrCance	*	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
564	ALL	residential	483130.6	3618125	0.001251	9901	DieselExhP	1.11E-06	30YrCance	*	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1011	ALL	residential	484530.6	3619225	0.001249	9901	DieselExhP	1.10E-06	30YrCance	*	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
195	ALL	residential	488630.6	3616525	0.001247	9901	DieselExhP	1.10E-06	30YrCance	*	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1195	ALL	residential	485830.6	3619525	0.001246	9901	DieselExhP	1.10E-06	30YrCance	*	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
446	ALL	residential	483530.6	3617825	0.001242	9901	DieselExhP	1.10E-06	30YrCance	*	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
297	ALL	residential	487930.6	3617325	0.001242	9901	DieselExhP	1.10E-06	30YrCance	*	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1142	ALL	residential	486030.6	3619425	0.001238	9901	DieselExhP	1.10E-06	30YrCance	*	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
973	ALL	residential	486430.6	3619125	0.001238	9901	DieselExhP	1.10E-06	30YrCance	*	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
920	ALL	residential	486530.6	3619025	0.001238	9901	DieselExhP	1.09E-06	30YrCance	*	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
526	ALL	residential	483230.6	3618025	0.001236	9901	DieselExhP	1.09E-06	30YrCance	*	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
334	ALL	residential	483930.6	3617525	0.001233	9901	DieselExhP	1.09E-06	30YrCance	*	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1075	ALL	residential	485130.6	3619325	0.001232	9901	DieselExhP	1.09E-06	30YrCance	*	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
287	ALL	residential	484230.6	3617325	0.001232	9901	DieselExhP	1.09E-06	30YrCance	*	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
205	ALL	residential	488630.6	3616625	0.001231	9901	DieselExhP	1.09E-06	30YrCance	*	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
251	ALL	residential	488330.6	3617025	0.00123	9901	DieselExhP	1.09E-06	30YrCance	*	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
576	ALL	residential	486830.6	3618125	0.001228	9901	DieselExhP	1.09E-06	30YrCance	*	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
239	ALL	residential	488430.6	3616925	0.001225	9901	DieselExhP	1.08E-06	30YrCance	*	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1015	ALL	residential	484930.6	3619225	0.001225	9901	DieselExhP	1.08E-06	30YrCance	*	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
866	ALL	residential	486630.6	3618925	0.001224	9901	DieselExhP	1.08E-06	30YrCance	*	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
787	ALL	residential	486730.6	3618725	0.001224	9901	DieselExhP	1.08E-06	30YrCance	*	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1028	ALL	residential	486330.6	3619225	0.001223	9901	DieselExhP	1.08E-06	30YrCance	*	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1191	ALL	residential	485430.6	3619525	0.001222	9901	DieselExhP	1.08E-06	30YrCance	*	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
404	ALL	residential	483630.6	3617725	0.001222	9901	DieselExhP	1.08E-06	30YrCance	*	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
419	ALL	residential	487230.6	3617725	0.00122	9901	DieselExhP	1.08E-06	30YrCance	*	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1123	ALL	residential	484130.6	3619425	0.00122	9901	DieselExhP	1.08E-06	30YrCance	*	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1012	ALL	residential	484630.6	3619225	0.001219	9901	DieselExhP	1.08E-06	30YrCance	*	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1067	ALL	residential	484330.6	3619325	0.001216	9901	DieselExhP	1.08E-06	30YrCance	*	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
229	ALL	residential	488530.6	3616825	0.001216	9901	DieselExhP	1.08E-06	30YrCance	*	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
486	ALL	residential	483330.6	3617925	0.001213	9901	DieselExhP	1.07E-06	30YrCance	*	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1196	ALL	residential	485930.6	3619525	0.001212	9901	DieselExhP	1.07E-06	30YrCance	*	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
563	ALL	residential	483030.6	3618125	0.001211	9901	DieselExhP	1.07E-06	30YrCance	*	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1134	ALL	residential	485230.6	3619425	0.001211	9901	DieselExhP	1.07E-06	30YrCance	*	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
310	ALL	residential	484030.6	3617425	0.00121	9901	DieselExhP	1.07E-06	30YrCance	*	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
611	ALL	residential	486830.6	3618225	0.001209	9901	DieselExhP	1.07E-06	30YrCance	*	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1014	ALL	residential	484830.6	3619225	0.001206	9901	DieselExhP	1.07E-06	30YrCance	*	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
180	ALL	residential	488730.6	3616325	0.001205	9901	DieselExhP	1.07E-06	30YrCance	*	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
380	ALL	residential	487430.6	3617625	0.001204	9901	DieselExhP	1.06E-06	30YrCance	*	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
187	ALL	residential	488730.6	3616425	0.001203	9901	DieselExhP	1.06E-06	30YrCance	*	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1085	ALL	residential	486230.6	3619325	0.001202	9901	DieselExhP	1.06E-06	30YrCance	*	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1013	ALL	residential	484730.6	3619225	0.001202	9901	DieselExhP	1.06E-06	30YrCance	*	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
346	ALL	residential	487630.6	3617525	0.001202	9901	DieselExhP	1.06E-06	30YrCance	*	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
366	ALL	residential	483730.6	3617625	0.001201	9901	DieselExhP	1.06E-06	30YrCance	*	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
216	ALL	residential	488630.6	3616725	0.001199	9901	DieselExhP	1.06E-06	30YrCance	*	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
174	ALL	residential	488730.6	3616225	0.001198	9901	DieselExhP	1.06E-06	30YrCance	*	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
196	ALL	residential	488730.6	3616525	0.001195	9901	DieselExhP	1.06E-06	30YrCance	*	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
643	ALL	residential	486830.6	3618325	0.001195	9901	DieselExhP	1.06E-06	30YrCance	*	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1234	ALL	residential	485630.6	3619625	0.001192	9901	DieselExhP	1.05E-06	30YrCance	*	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
286	ALL	residential	484130.6	3617325	0.001191	9901	DieselExhP	1.05E-06	30YrCance	*	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1235	ALL	residential	485730.6	3619625	0.001188	9901	DieselExhP	1.05E-06	30YrCance	*	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
445	ALL	residential	483430.6	3617825	0.001188	9901	DieselExhP	1.05E-06	30YrCance	*	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1074	ALL	residential	485030.6	3619325	0.001186	9901	DieselExhP	1.05E-06	30YrCance	*	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1190	ALL	residential	485330.6	3619525	0.001183	9901	DieselExhP	1.05E-06	30YrCance	*	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
525	ALL	residential	483130.6	3618025	0.001182	9901	DieselExhP	1.05E-06	30YrCance	*	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
333	ALL	residential	483830.6	3617525	0.001181	9901	DieselExhP	1.04E-06	30YrCance	*	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
825	ALL	residential	486730.6	3618825	0.001181	9901	DieselExhP	1.04E-06	30YrCance	*	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
677	ALL	residential	486830.6	3618425	0.00118	9901	DieselExhP	1.04E-06	30YrCance	*	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1233	ALL	residential	485530.6	3619625	0.001179	9901	DieselExhP	1.04E-06	30YrCance	*	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1177	ALL	residential	484030.6	3619525	0.001178	9901	DieselExhP	1.04E-06	30YrCance	*	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
206	ALL	residential	488730.6	3616625	0.001175	9901	DieselExhP	1.04E-06	30YrCance	*	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1068	ALL	residential	484430.6	3619325	0.001173	9901	DieselExhP	1.04E-06	30YrCance	*	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
403	ALL	residential	483530.6	3617725	0.001173	9901	DieselExhP	1.04E-06	30YrCance	*	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
974	ALL	residential	486530.6	3619125	0.001172	9901	DieselExhP	1.04E-06	30YrCance	*	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1236	ALL	residential	485830.6	3619625	0.001171	9901	DieselExhP	1.04E-06	30YrCance	*	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
562	ALL	residential	482930.6	3618125	0.001168	9901	DieselExhP	1.03E-06	30YrCance	*	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1029	ALL	residential	486430.6	3619225	0.001168	9901	DieselExhP	1.03E-06	30YrCance	*	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
298	ALL	residential	488030.6	3617325	0.001168	9901	DieselExhP	1.03E-06	30YrCance	*	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
485	ALL	residential	483230.6	3617925	0.001167	9901	DieselExhP	1.03E-06	30YrCance	*	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1197	ALL	residential	486030.6	3619525	0.001166	9901	DieselExhP	1.03E-06	30YrCance	*	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
460	ALL	residential	487130.6	3617825	0.001165	9901	DieselExhP	1.03E-06	30YrCance	*	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
712	ALL	residential	486830.6	3618525	0.001165	9901	DieselExhP	1.03E-06	30YrCance	*	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
921	ALL	residential	486630.6	3619025	0.001164	9901	DieselExhP	1.03E-06	30YrCance	*	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
309	ALL	residential	483930.6	3617425	0.001163	9901	DieselExhP	1.03E-06	30YrCance	*	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1124	ALL	residential	484230.6	3619425	0.001162	9901	DieselExhP	1.03E-06	30YrCance	*	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
240	ALL	residential	488530.6	3616925	0.001161	9901	DieselExhP	1.03E-06	30YrCance	*	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1133	ALL	residential	485130.6	3619425	0.001161	9901	DieselExhP	1.03E-06	30YrCance	*	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
181	ALL	residential	488830.6	3616325	0.00116	9901	DieselExhP	1.03E-06	30YrCance	*	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
539	ALL	residential	486930.6	3618025	0.001159	9901	DieselExhP	1.02E-06	30YrCance	*	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
175	ALL	residential	488830.6	3616225	0.001158	9901	DieselExhP	1.02E-06	30YrCance	*	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
188	ALL	residential	488830.6	3616425	0.001157	9901	DieselExhP	1.02E-06	30YrCance	*	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
365	ALL	residential	483630.6	3617625	0.001156	9901	DieselExhP	1.02E-06	30YrCance	*	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
230	ALL	residential	488630.6	3616825	0.001154	9901	DieselExhP	1.02E-06	30YrCance	*	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1086	ALL	residential	486330.6	3619325	0.001151	9901	DieselExhP	1.02E-06	30YrCance	*	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
444	ALL	residential	483330.6	3617825	0.001151	9901	DieselExhP	1.02E-06	30YrCance	*	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1073	ALL	residential	484930.6	3619325	0.00115	9901	DieselExhP	1.02E-06	30YrCance	*	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1232	ALL	residential	485430.6	3619625	0.00115	9901	DieselExhP	1.02E-06	30YrCance	*	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
285	ALL	residential	484030.6	3617325	0.001149	9901	DieselExhP	1.02E-06	30YrCance	*	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
259	ALL	residential	488330.6	3617125	0.001149	9901	DieselExhP	1.02E-06	30YrCance	*	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
524	ALL	residential	483030.6	3618025	0.001148	9901	DieselExhP	1.01E-06	30YrCance	*	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
750	ALL	residential	486830.6	3618625	0.001147	9901	DieselExhP	1.01E-06	30YrCance	*	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
197	ALL	residential	488830.6	3616525	0.001146	9901	DieselExhP	1.01E-06	30YrCance	*	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1069	ALL	residential	484530.6	3619325	0.001143	9901	DieselExhP	1.01E-06	30YrCance	*	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
217	ALL	residential	488730.6	3616725	0.001142	9901	DieselExhP	1.01E-06	30YrCance	*	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1237	ALL	residential	485930.6	3619625	0.001141	9901	DieselExhP	1.01E-06	30YrCance	*	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
501	ALL	residential	487030.6	3617925	0.001138	9901	DieselExhP	1.01E-06	30YrCance	*	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
332	ALL	residential	483730.6	3617525	0.001138	9901	DieselExhP	1.01E-06	30YrCance	*	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1189	ALL	residential	485230.6	3619525	0.001138	9901	DieselExhP	1.01E-06	30YrCance	*	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
867	ALL	residential	486730.6	3618925	0.001137	9901	DieselExhP	1.01E-06	30YrCance	*	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
267	ALL	residential	484130.6	3617225	0.001137	9901	DieselExhP	1.01E-06	30YrCance	*	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
402	ALL	residential	483430.6	3617725	0.001135	9901	DieselExhP	1.00E-06	30YrCance	*	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
420	ALL	residential	487330.6	3617725	0.001135	9901	DieselExhP	1.00E-06	30YrCance	*	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
484	ALL	residential	483130.6	3617925	0.001133	9901	DieselExhP	1.00E-06	30YrCance	*	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1143	ALL	residential	486230.6	3619425	0.001133	9901	DieselExhP	1.00E-06	30YrCance	*	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
276	ALL	residential	488230.6	3617225	0.001132	9901	DieselExhP	1.00E-06	30YrCance	*	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1072	ALL	residential	484830.6	3619325	0.001128	9901	DieselExhP	9.98E-07	30YrCance	*	9.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
381	ALL	residential	487530.6	3617625	0.001127	9901	DieselExhP	9.96E-07	30YrCance	*	9.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
347	ALL	residential	487730.6	3617525	0.001126	9901	DieselExhP	9.96E-07	30YrCance	*	9.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1070	ALL	residential	484630.6	3619325	0.001125	9901	DieselExhP	9.95E-07	30YrCance	*	9.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1275	ALL	residential	485630.6	3619725	0.001123	9901	DieselExhP	9.93E-07	30YrCance	*	9.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
788	ALL	residential	486830.6	3618725	0.001122	9901	DieselExhP	9.92E-07	30YrCance	*	9.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
207	ALL	residential	488830.6	3616625	0.001121	9901	DieselExhP	9.92E-07	30YrCance	*	9.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
364	ALL	residential	483530.6	3617625	0.001121	9901	DieselExhP	9.91E-07	30YrCance	*	9.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
176	ALL	residential	488930.6	3616225	0.001121	9901	DieselExhP	9.91E-07	30YrCance	*	9.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
182	ALL	residential	488930.6	3616325	0.00112	9901	DieselExhP	9.90E-07	30YrCance	*	9.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
308	ALL	residential	483830.6	3617425	0.00112	9901	DieselExhP	9.90E-07	30YrCance	*	9.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1071	ALL	residential	484730.6	3619325	0.00112	9901	DieselExhP	9.90E-07	30YrCance	*	9.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1276	ALL	residential	485730.6	3619725	0.001118	9901	DieselExhP	9.89E-07	30YrCance	*	9.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
577	ALL	residential	486930.6	3618125	0.001118	9901	DieselExhP	9.89E-07	30YrCance	*	9.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
443	ALL	residential	483230.6	3617825	0.001118	9901	DieselExhP	9.88E-07	30YrCance	*	9.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1132	ALL	residential	485030.6	3619425	0.001117	9901	DieselExhP	9.88E-07	30YrCance	*	9.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
523	ALL	residential	482930.6	3618025	0.001117	9901	DieselExhP	9.88E-07	30YrCance	*	9.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1198	ALL	residential	486130.6	3619525	0.001117	9901	DieselExhP	9.88E-07	30YrCance	*	9.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
171	ALL	residential	488930.6	3616125	0.001115	9901	DieselExhP	9.86E-07	30YrCance	*	9.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1178	ALL	residential	484130.6	3619525	0.001114	9901	DieselExhP	9.85E-07	30YrCance	*	9.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1231	ALL	residential	485330.6	3619625	0.001114	9901	DieselExhP	9.85E-07	30YrCance	*	9.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
189	ALL	residential	488930.6	3616425	0.001114	9901	DieselExhP	9.85E-07	30YrCance	*	9.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1274	ALL	residential	485530.6	3619725	0.001112	9901	DieselExhP	9.83E-07	30YrCance	*	9.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1030	ALL	residential	486530.6	3619225	0.001111	9901	DieselExhP	9.82E-07	30YrCance	*	9.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1125	ALL	residential	484330.6	3619425	0.001108	9901	DieselExhP	9.80E-07	30YrCance	*	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
284	ALL	residential	483930.6	3617325	0.001106	9901	DieselExhP	9.78E-07	30YrCance	*	9.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
975	ALL	residential	486630.6	3619125	0.001106	9901	DieselExhP	9.78E-07	30YrCance	*	9.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
299	ALL	residential	488130.6	3617325	0.001105	9901	DieselExhP	9.77E-07	30YrCance	*	9.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
331	ALL	residential	483630.6	3617525	0.001105	9901	DieselExhP	9.77E-07	30YrCance	*	9.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
401	ALL	residential	483330.6	3617725	0.001103	9901	DieselExhP	9.76E-07	30YrCance	*	9.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
483	ALL	residential	483030.6	3617925	0.001103	9901	DieselExhP	9.75E-07	30YrCance	*	9.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1087	ALL	residential	486430.6	3619325	0.001103	9901	DieselExhP	9.75E-07	30YrCance	*	9.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1277	ALL	residential	485830.6	3619725	0.001103	9901	DieselExhP	9.75E-07	30YrCance	*	9.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1238	ALL	residential	486030.6	3619625	0.001101	9901	DieselExhP	9.73E-07	30YrCance	*	9.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
612	ALL	residential	486930.6	3618225	0.001099	9901	DieselExhP	9.72E-07	30YrCance	*	9.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
266	ALL	residential	484030.6	3617225	0.001099	9901	DieselExhP	9.71E-07	30YrCance	*	9.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
198	ALL	residential	488930.6	3616525	0.001098	9901	DieselExhP	9.71E-07	30YrCance	*	9.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
922	ALL	residential	486730.6	3619025	0.001092	9901	DieselExhP	9.66E-07	30YrCance	*	9.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1188	ALL	residential	485130.6	3619525	0.001092	9901	DieselExhP	9.65E-07	30YrCance	*	9.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
363	ALL	residential	483430.6	3617625	0.00109	9901	DieselExhP	9.64E-07	30YrCance	*	9.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
254	ALL	residential	484130.6	3617125	0.001089	9901	DieselExhP	9.63E-07	30YrCance	*	9.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
307	ALL	residential	483730.6	3617425	0.001088	9901	DieselExhP	9.62E-07	30YrCance	*	9.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
442	ALL	residential	483130.6	3617825	0.001088	9901	DieselExhP	9.62E-07	30YrCance	*	9.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
826	ALL	residential	486830.6	3618825	0.001088	9901	DieselExhP	9.62E-07	30YrCance	*	9.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
218	ALL	residential	488830.6	3616725	0.001088	9901	DieselExhP	9.62E-07	30YrCance	*	9.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1273	ALL	residential	485430.6	3619725	0.001086	9901	DieselExhP	9.61E-07	30YrCance	*	9.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
644	ALL	residential	486930.6	3618325	0.001086	9901	DieselExhP	9.60E-07	30YrCance	*	9.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1144	ALL	residential	486330.6	3619425	0.001086	9901	DieselExhP	9.60E-07	30YrCance	*	9.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1131	ALL	residential	484930.6	3619425	0.001083	9901	DieselExhP	9.58E-07	30YrCance	*	9.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
177	ALL	residential	489030.6	3616225	0.001083	9901	DieselExhP	9.58E-07	30YrCance	*	9.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
461	ALL	residential	487230.6	3617825	0.001083	9901	DieselExhP	9.58E-07	30YrCance	*	9.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
260	ALL	residential	488430.6	3617125	0.001081	9901	DieselExhP	9.56E-07	30YrCance	*	9.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
183	ALL	residential	489030.6	3616325	0.001081	9901	DieselExhP	9.56E-07	30YrCance	*	9.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
172	ALL	residential	489030.6	3616125	0.00108	9901	DieselExhP	9.55E-07	30YrCance	*	9.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1218	ALL	residential	484030.6	3619625	0.001077	9901	DieselExhP	9.52E-07	30YrCance	*	9.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1278	ALL	residential	485930.6	3619725	0.001077	9901	DieselExhP	9.52E-07	30YrCance	*	9.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
482	ALL	residential	482930.6	3617925	0.001076	9901	DieselExhP	9.52E-07	30YrCance	*	9.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1126	ALL	residential	484430.6	3619425	0.001076	9901	DieselExhP	9.51E-07	30YrCance	*	9.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
330	ALL	residential	483530.6	3617525	0.001075	9901	DieselExhP	9.50E-07	30YrCance	*	9.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
283	ALL	residential	483830.6	3617325	0.001075	9901	DieselExhP	9.50E-07	30YrCance	*	9.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
400	ALL	residential	483230.6	3617725	0.001075	9901	DieselExhP	9.50E-07	30YrCance	*	9.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
169	ALL	residential	489030.6	3616025	0.001074	9901	DieselExhP	9.50E-07	30YrCance	*	9.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
208	ALL	residential	488930.6	3616625	0.001074	9901	DieselExhP	9.49E-07	30YrCance	*	9.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1230	ALL	residential	485230.6	3619625	0.001073	9901	DieselExhP	9.49E-07	30YrCance	*	9.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
190	ALL	residential	489030.6	3616425	0.001072	9901	DieselExhP	9.48E-07	30YrCance	*	9.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
678	ALL	residential	486930.6	3618425	0.001072	9901	DieselExhP	9.48E-07	30YrCance	*	9.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
540	ALL	residential	487030.6	3618025	0.001068	9901	DieselExhP	9.44E-07	30YrCance	*	9.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1179	ALL	residential	484230.6	3619525	0.001067	9901	DieselExhP	9.44E-07	30YrCance	*	9.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
277	ALL	residential	488330.6	3617225	0.001064	9901	DieselExhP	9.41E-07	30YrCance	*	9.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
167	ALL	residential	485230.6	3615825	0.001063	9901	DieselExhP	9.40E-07	30YrCance	*	9.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
163	ALL	residential	485430.6	3615625	0.001062	9901	DieselExhP	9.39E-07	30YrCance	*	9.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
441	ALL	residential	483030.6	3617825	0.001062	9901	DieselExhP	9.39E-07	30YrCance	*	9.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
362	ALL	residential	483330.6	3617625	0.001062	9901	DieselExhP	9.39E-07	30YrCance	*	9.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
348	ALL	residential	487830.6	3617525	0.001061	9901	DieselExhP	9.38E-07	30YrCance	*	9.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
166	ALL	residential	485330.6	3615725	0.00106	9901	DieselExhP	9.38E-07	30YrCance	*	9.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1314	ALL	residential	485630.6	3619825	0.00106	9901	DieselExhP	9.37E-07	30YrCance	*	9.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
306	ALL	residential	483630.6	3617425	0.00106	9901	DieselExhP	9.37E-07	30YrCance	*	9.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
421	ALL	residential	487430.6	3617725	0.00106	9901	DieselExhP	9.37E-07	30YrCance	*	9.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1130	ALL	residential	484830.6	3619425	0.001059	9901	DieselExhP	9.36E-07	30YrCance	*	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
713	ALL	residential	486930.6	3618525	0.001058	9901	DieselExhP	9.36E-07	30YrCance	*	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
502	ALL	residential	487130.6	3617925	0.001058	9901	DieselExhP	9.36E-07	30YrCance	*	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
158	ALL	residential	485530.6	3615525	0.001058	9901	DieselExhP	9.35E-07	30YrCance	*	9.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
382	ALL	residential	487630.6	3617625	0.001057	9901	DieselExhP	9.35E-07	30YrCance	*	9.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1239	ALL	residential	486130.6	3619625	0.001056	9901	DieselExhP	9.34E-07	30YrCance	*	9.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1315	ALL	residential	485730.6	3619825	0.001055	9901	DieselExhP	9.33E-07	30YrCance	*	9.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
199	ALL	residential	489030.6	3616525	0.001055	9901	DieselExhP	9.33E-07	30YrCance	*	9.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1088	ALL	residential	486530.6	3619325	0.001054	9901	DieselExhP	9.32E-07	30YrCance	*	9.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1272	ALL	residential	485330.6	3619725	0.001053	9901	DieselExhP	9.31E-07	30YrCance	*	9.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
481	ALL	residential	482830.6	3617925	0.001052	9901	DieselExhP	9.31E-07	30YrCance	*	9.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
868	ALL	residential	486830.6	3618925	0.001052	9901	DieselExhP	9.30E-07	30YrCance	*	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1031	ALL	residential	486630.6	3619225	0.001052	9901	DieselExhP	9.30E-07	30YrCance	*	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1187	ALL	residential	485030.6	3619525	0.001051	9901	DieselExhP	9.30E-07	30YrCance	*	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1127	ALL	residential	484530.6	3619425	0.001051	9901	DieselExhP	9.30E-07	30YrCance	*	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1313	ALL	residential	485530.6	3619825	0.001051	9901	DieselExhP	9.29E-07	30YrCance	*	9.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
399	ALL	residential	483130.6	3617725	0.001049	9901	DieselExhP	9.27E-07	30YrCance	*	9.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
178	ALL	residential	489130.6	3616225	0.001047	9901	DieselExhP	9.26E-07	30YrCance	*	9.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
329	ALL	residential	483430.6	3617525	0.001047	9901	DieselExhP	9.26E-07	30YrCance	*	9.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
173	ALL	residential	489130.6	3616125	0.001045	9901	DieselExhP	9.24E-07	30YrCance	*	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
751	ALL	residential	486930.6	3618625	0.001044	9901	DieselExhP	9.24E-07	30YrCance	*	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
976	ALL	residential	486730.6	3619125	0.001044	9901	DieselExhP	9.23E-07	30YrCance	*	9.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1145	ALL	residential	486430.6	3619425	0.001043	9901	DieselExhP	9.22E-07	30YrCance	*	9.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
184	ALL	residential	489130.6	3616325	0.001043	9901	DieselExhP	9.22E-07	30YrCance	*	9.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1129	ALL	residential	484730.6	3619425	0.001042	9901	DieselExhP	9.21E-07	30YrCance	*	9.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1316	ALL	residential	485830.6	3619825	0.001041	9901	DieselExhP	9.21E-07	30YrCance	*	9.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1279	ALL	residential	486030.6	3619725	0.001041	9901	DieselExhP	9.21E-07	30YrCance	*	9.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
300	ALL	residential	488230.6	3617325	0.001041	9901	DieselExhP	9.20E-07	30YrCance	*	9.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1128	ALL	residential	484630.6	3619425	0.001041	9901	DieselExhP	9.20E-07	30YrCance	*	9.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
170	ALL	residential	489130.6	3616025	0.00104	9901	DieselExhP	9.20E-07	30YrCance	*	9.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
219	ALL	residential	488930.6	3616725	0.001037	9901	DieselExhP	9.17E-07	30YrCance	*	9.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
440	ALL	residential	482930.6	3617825	0.001036	9901	DieselExhP	9.16E-07	30YrCance	*	9.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
168	ALL	residential	489130.6	3615925	0.001034	9901	DieselExhP	9.14E-07	30YrCance	*	9.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
165	ALL	residential	485230.6	3615725	0.001032	9901	DieselExhP	9.12E-07	30YrCance	*	9.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
191	ALL	residential	489130.6	3616425	0.001031	9901	DieselExhP	9.12E-07	30YrCance	*	9.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1229	ALL	residential	485130.6	3619625	0.001031	9901	DieselExhP	9.12E-07	30YrCance	*	9.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
361	ALL	residential	483230.6	3617625	0.001031	9901	DieselExhP	9.11E-07	30YrCance	*	9.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
162	ALL	residential	485330.6	3615625	0.001029	9901	DieselExhP	9.10E-07	30YrCance	*	9.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1312	ALL	residential	485430.6	3619825	0.001028	9901	DieselExhP	9.09E-07	30YrCance	*	9.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1219	ALL	residential	484130.6	3619625	0.001028	9901	DieselExhP	9.09E-07	30YrCance	*	9.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
789	ALL	residential	486930.6	3618725	0.001028	9901	DieselExhP	9.09E-07	30YrCance	*	9.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
578	ALL	residential	487030.6	3618125	0.001028	9901	DieselExhP	9.09E-07	30YrCance	*	9.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
157	ALL	residential	485430.6	3615525	0.001027	9901	DieselExhP	9.08E-07	30YrCance	*	9.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
209	ALL	residential	489030.6	3616625	0.001027	9901	DieselExhP	9.08E-07	30YrCance	*	9.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1180	ALL	residential	484330.6	3619525	0.001025	9901	DieselExhP	9.06E-07	30YrCance	*	9.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
154	ALL	residential	485530.6	3615425	0.001023	9901	DieselExhP	9.05E-07	30YrCance	*	9.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
398	ALL	residential	483030.6	3617725	0.001019	9901	DieselExhP	9.01E-07	30YrCance	*	9.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1317	ALL	residential	485930.6	3619825	0.001019	9901	DieselExhP	9.01E-07	30YrCance	*	9.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1186	ALL	residential	484930.6	3619525	0.001019	9901	DieselExhP	9.01E-07	30YrCance	*	9.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1271	ALL	residential	485230.6	3619725	0.001017	9901	DieselExhP	9.00E-07	30YrCance	*	9.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
923	ALL	residential	486830.6	3619025	0.001017	9901	DieselExhP	8.99E-07	30YrCance	*	8.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
462	ALL	residential	487330.6	3617825	0.001014	9901	DieselExhP	8.97E-07	30YrCance	*	8.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
200	ALL	residential	489130.6	3616525	0.001013	9901	DieselExhP	8.96E-07	30YrCance	*	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
439	ALL	residential	482830.6	3617825	0.001012	9901	DieselExhP	8.95E-07	30YrCance	*	8.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
164	ALL	residential	485130.6	3615725	0.001008	9901	DieselExhP	8.92E-07	30YrCance	*	8.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
613	ALL	residential	487030.6	3618225	0.001007	9901	DieselExhP	8.90E-07	30YrCance	*	8.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
349	ALL	residential	487930.6	3617525	0.001005	9901	DieselExhP	8.88E-07	30YrCance	*	8.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
827	ALL	residential	486930.6	3618825	0.001005	9901	DieselExhP	8.88E-07	30YrCance	*	8.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
278	ALL	residential	488430.6	3617225	0.001003	9901	DieselExhP	8.87E-07	30YrCance	*	8.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1356	ALL	residential	485630.6	3619925	0.001003	9901	DieselExhP	8.87E-07	30YrCance	*	8.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1089	ALL	residential	486630.6	3619325	0.001002	9901	DieselExhP	8.86E-07	30YrCance	*	8.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
161	ALL	residential	485230.6	3615625	0.001001	9901	DieselExhP	8.85E-07	30YrCance	*	8.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1146	ALL	residential	486530.6	3619425	0.001	9901	DieselExhP	8.84E-07	30YrCance	*	8.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1311	ALL	residential	485330.6	3619825	0.001	9901	DieselExhP	8.84E-07	30YrCance	*	8.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1357	ALL	residential	485730.6	3619925	0.000999	9901	DieselExhP	8.83E-07	30YrCance	*	8.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
156	ALL	residential	485330.6	3615525	0.000998	9901	DieselExhP	8.83E-07	30YrCance	*	8.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1181	ALL	residential	484430.6	3619525	0.000997	9901	DieselExhP	8.82E-07	30YrCance	*	8.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
422	ALL	residential	487530.6	3617725	0.000997	9901	DieselExhP	8.81E-07	30YrCance	*	8.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
383	ALL	residential	487730.6	3617625	0.000996	9901	DieselExhP	8.81E-07	30YrCance	*	8.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
153	ALL	residential	485430.6	3615425	0.000996	9901	DieselExhP	8.80E-07	30YrCance	*	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1355	ALL	residential	485530.6	3619925	0.000995	9901	DieselExhP	8.80E-07	30YrCance	*	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1032	ALL	residential	486730.6	3619225	0.000995	9901	DieselExhP	8.80E-07	30YrCance	*	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
645	ALL	residential	487030.6	3618325	0.000995	9901	DieselExhP	8.80E-07	30YrCance	*	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1228	ALL	residential	485030.6	3619625	0.000993	9901	DieselExhP	8.78E-07	30YrCance	*	8.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1185	ALL	residential	484830.6	3619525	0.000993	9901	DieselExhP	8.78E-07	30YrCance	*	8.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
541	ALL	residential	487130.6	3618025	0.000992	9901	DieselExhP	8.77E-07	30YrCance	*	8.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1259	ALL	residential	484030.6	3619725	0.000991	9901	DieselExhP	8.76E-07	30YrCance	*	8.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
220	ALL	residential	489030.6	3616725	0.00099	9901	DieselExhP	8.76E-07	30YrCance	*	8.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
503	ALL	residential	487230.6	3617925	0.000988	9901	DieselExhP	8.74E-07	30YrCance	*	8.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1318	ALL	residential	486030.6	3619825	0.000987	9901	DieselExhP	8.73E-07	30YrCance	*	8.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1358	ALL	residential	485830.6	3619925	0.000986	9901	DieselExhP	8.72E-07	30YrCance	*	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1220	ALL	residential	484230.6	3619625	0.000986	9901	DieselExhP	8.72E-07	30YrCance	*	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
210	ALL	residential	489130.6	3616625	0.000984	9901	DieselExhP	8.70E-07	30YrCance	*	8.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
679	ALL	residential	487030.6	3618425	0.000983	9901	DieselExhP	8.69E-07	30YrCance	*	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
301	ALL	residential	488330.6	3617325	0.000982	9901	DieselExhP	8.69E-07	30YrCance	*	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
977	ALL	residential	486830.6	3619125	0.000982	9901	DieselExhP	8.68E-07	30YrCance	*	8.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1270	ALL	residential	485130.6	3619725	0.000981	9901	DieselExhP	8.67E-07	30YrCance	*	8.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
160	ALL	residential	485130.6	3615625	0.000978	9901	DieselExhP	8.65E-07	30YrCance	*	8.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1182	ALL	residential	484530.6	3619525	0.000978	9901	DieselExhP	8.65E-07	30YrCance	*	8.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1184	ALL	residential	484730.6	3619525	0.000977	9901	DieselExhP	8.64E-07	30YrCance	*	8.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1354	ALL	residential	485430.6	3619925	0.000976	9901	DieselExhP	8.63E-07	30YrCance	*	8.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
869	ALL	residential	486930.6	3618925	0.000976	9901	DieselExhP	8.63E-07	30YrCance	*	8.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1183	ALL	residential	484630.6	3619525	0.000974	9901	DieselExhP	8.61E-07	30YrCance	*	8.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
155	ALL	residential	485230.6	3615525	0.000972	9901	DieselExhP	8.60E-07	30YrCance	*	8.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
152	ALL	residential	485330.6	3615425	0.000969	9901	DieselExhP	8.57E-07	30YrCance	*	8.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
714	ALL	residential	487030.6	3618525	0.000969	9901	DieselExhP	8.57E-07	30YrCance	*	8.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1310	ALL	residential	485230.6	3619825	0.000968	9901	DieselExhP	8.56E-07	30YrCance	*	8.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
261	ALL	residential	488630.6	3617125	0.000966	9901	DieselExhP	8.55E-07	30YrCance	*	8.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1359	ALL	residential	485930.6	3619925	0.000966	9901	DieselExhP	8.55E-07	30YrCance	*	8.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1227	ALL	residential	484930.6	3619625	0.000962	9901	DieselExhP	8.51E-07	30YrCance	*	8.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
159	ALL	residential	485030.6	3615625	0.000962	9901	DieselExhP	8.51E-07	30YrCance	*	8.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1147	ALL	residential	486630.6	3619425	0.000956	9901	DieselExhP	8.45E-07	30YrCance	*	8.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
752	ALL	residential	487030.6	3618625	0.000956	9901	DieselExhP	8.45E-07	30YrCance	*	8.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1221	ALL	residential	484330.6	3619625	0.000955	9901	DieselExhP	8.45E-07	30YrCance	*	8.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
350	ALL	residential	488030.6	3617525	0.000954	9901	DieselExhP	8.43E-07	30YrCance	*	8.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1400	ALL	residential	485630.6	3620025	0.000953	9901	DieselExhP	8.42E-07	30YrCance	*	8.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
463	ALL	residential	487430.6	3617825	0.000952	9901	DieselExhP	8.42E-07	30YrCance	*	8.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
579	ALL	residential	487130.6	3618125	0.000951	9901	DieselExhP	8.41E-07	30YrCance	*	8.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1353	ALL	residential	485330.6	3619925	0.00095	9901	DieselExhP	8.40E-07	30YrCance	*	8.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1090	ALL	residential	486730.6	3619325	0.00095	9901	DieselExhP	8.40E-07	30YrCance	*	8.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1260	ALL	residential	484130.6	3619725	0.00095	9901	DieselExhP	8.40E-07	30YrCance	*	8.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1401	ALL	residential	485730.6	3620025	0.000948	9901	DieselExhP	8.38E-07	30YrCance	*	8.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1269	ALL	residential	485030.6	3619725	0.000946	9901	DieselExhP	8.36E-07	30YrCance	*	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
384	ALL	residential	487830.6	3617625	0.000946	9901	DieselExhP	8.36E-07	30YrCance	*	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1399	ALL	residential	485530.6	3620025	0.000946	9901	DieselExhP	8.36E-07	30YrCance	*	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
221	ALL	residential	489130.6	3616725	0.000946	9901	DieselExhP	8.36E-07	30YrCance	*	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
924	ALL	residential	486930.6	3619025	0.000945	9901	DieselExhP	8.36E-07	30YrCance	*	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1033	ALL	residential	486830.6	3619225	0.000943	9901	DieselExhP	8.34E-07	30YrCance	*	8.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
790	ALL	residential	487030.6	3618725	0.000942	9901	DieselExhP	8.33E-07	30YrCance	*	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
423	ALL	residential	487630.6	3617725	0.000941	9901	DieselExhP	8.32E-07	30YrCance	*	8.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1226	ALL	residential	484830.6	3619625	0.000941	9901	DieselExhP	8.32E-07	30YrCance	*	8.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1360	ALL	residential	486030.6	3619925	0.000938	9901	DieselExhP	8.29E-07	30YrCance	*	8.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1402	ALL	residential	485830.6	3620025	0.000936	9901	DieselExhP	8.28E-07	30YrCance	*	8.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1222	ALL	residential	484430.6	3619625	0.000935	9901	DieselExhP	8.26E-07	30YrCance	*	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1309	ALL	residential	485130.6	3619825	0.000934	9901	DieselExhP	8.26E-07	30YrCance	*	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
614	ALL	residential	487130.6	3618225	0.000928	9901	DieselExhP	8.21E-07	30YrCance	*	8.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1398	ALL	residential	485430.6	3620025	0.000928	9901	DieselExhP	8.20E-07	30YrCance	*	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
828	ALL	residential	487030.6	3618825	0.000927	9901	DieselExhP	8.20E-07	30YrCance	*	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1225	ALL	residential	484730.6	3619625	0.000926	9901	DieselExhP	8.19E-07	30YrCance	*	8.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
504	ALL	residential	487330.6	3617925	0.000925	9901	DieselExhP	8.18E-07	30YrCance	*	8.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
542	ALL	residential	487230.6	3618025	0.000925	9901	DieselExhP	8.18E-07	30YrCance	*	8.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1223	ALL	residential	484530.6	3619625	0.000924	9901	DieselExhP	8.17E-07	30YrCance	*	8.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1352	ALL	residential	485230.6	3619925	0.000922	9901	DieselExhP	8.15E-07	30YrCance	*	8.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1224	ALL	residential	484630.6	3619625	0.000919	9901	DieselExhP	8.13E-07	30YrCance	*	8.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1268	ALL	residential	484930.6	3619725	0.000919	9901	DieselExhP	8.13E-07	30YrCance	*	8.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1403	ALL	residential	485930.6	3620025	0.000919	9901	DieselExhP	8.12E-07	30YrCance	*	8.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1298	ALL	residential	484030.6	3619825	0.000918	9901	DieselExhP	8.12E-07	30YrCance	*	8.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1261	ALL	residential	484230.6	3619725	0.000917	9901	DieselExhP	8.11E-07	30YrCance	*	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
646	ALL	residential	487130.6	3618325	0.000917	9901	DieselExhP	8.11E-07	30YrCance	*	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
978	ALL	residential	486930.6	3619125	0.000916	9901	DieselExhP	8.10E-07	30YrCance	*	8.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
351	ALL	residential	488130.6	3617525	0.000908	9901	DieselExhP	8.03E-07	30YrCance	*	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1148	ALL	residential	486730.6	3619425	0.000908	9901	DieselExhP	8.03E-07	30YrCance	*	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1446	ALL	residential	485630.6	3620125	0.000907	9901	DieselExhP	8.02E-07	30YrCance	*	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
870	ALL	residential	487030.6	3618925	0.000906	9901	DieselExhP	8.01E-07	30YrCance	*	8.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
680	ALL	residential	487130.6	3618425	0.000906	9901	DieselExhP	8.01E-07	30YrCance	*	8.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1397	ALL	residential	485330.6	3620025	0.000905	9901	DieselExhP	8.00E-07	30YrCance	*	8.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1308	ALL	residential	485030.6	3619825	0.000903	9901	DieselExhP	7.99E-07	30YrCance	*	7.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1091	ALL	residential	486830.6	3619325	0.000901	9901	DieselExhP	7.97E-07	30YrCance	*	7.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1447	ALL	residential	485730.6	3620125	0.000901	9901	DieselExhP	7.97E-07	30YrCance	*	7.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1445	ALL	residential	485530.6	3620125	0.0009	9901	DieselExhP	7.96E-07	30YrCance	*	7.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
385	ALL	residential	487930.6	3617625	0.0009	9901	DieselExhP	7.96E-07	30YrCance	*	7.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1267	ALL	residential	484830.6	3619725	0.000897	9901	DieselExhP	7.93E-07	30YrCance	*	7.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1262	ALL	residential	484330.6	3619725	0.000896	9901	DieselExhP	7.92E-07	30YrCance	*	7.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1404	ALL	residential	486030.6	3620025	0.000893	9901	DieselExhP	7.90E-07	30YrCance	*	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
715	ALL	residential	487130.6	3618525	0.000893	9901	DieselExhP	7.89E-07	30YrCance	*	7.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1351	ALL	residential	485130.6	3619925	0.000892	9901	DieselExhP	7.89E-07	30YrCance	*	7.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
424	ALL	residential	487730.6	3617725	0.000891	9901	DieselExhP	7.88E-07	30YrCance	*	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1448	ALL	residential	485830.6	3620125	0.00089	9901	DieselExhP	7.87E-07	30YrCance	*	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1034	ALL	residential	486930.6	3619225	0.000888	9901	DieselExhP	7.85E-07	30YrCance	*	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
580	ALL	residential	487230.6	3618125	0.000884	9901	DieselExhP	7.82E-07	30YrCance	*	7.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1444	ALL	residential	485430.6	3620125	0.000884	9901	DieselExhP	7.82E-07	30YrCance	*	7.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1299	ALL	residential	484130.6	3619825	0.000883	9901	DieselExhP	7.81E-07	30YrCance	*	7.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1266	ALL	residential	484730.6	3619725	0.000882	9901	DieselExhP	7.80E-07	30YrCance	*	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1396	ALL	residential	485230.6	3620025	0.000881	9901	DieselExhP	7.79E-07	30YrCance	*	7.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
925	ALL	residential	487030.6	3619025	0.000881	9901	DieselExhP	7.79E-07	30YrCance	*	7.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
753	ALL	residential	487130.6	3618625	0.000879	9901	DieselExhP	7.77E-07	30YrCance	*	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1263	ALL	residential	484430.6	3619725	0.000878	9901	DieselExhP	7.77E-07	30YrCance	*	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1307	ALL	residential	484930.6	3619825	0.000877	9901	DieselExhP	7.76E-07	30YrCance	*	7.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1449	ALL	residential	485930.6	3620125	0.000875	9901	DieselExhP	7.73E-07	30YrCance	*	7.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1264	ALL	residential	484530.6	3619725	0.000872	9901	DieselExhP	7.71E-07	30YrCance	*	7.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
262	ALL	residential	488830.6	3617125	0.000871	9901	DieselExhP	7.70E-07	30YrCance	*	7.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
505	ALL	residential	487430.6	3617925	0.000871	9901	DieselExhP	7.70E-07	30YrCance	*	7.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1265	ALL	residential	484630.6	3619725	0.000871	9901	DieselExhP	7.70E-07	30YrCance	*	7.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
352	ALL	residential	488230.6	3617525	0.000868	9901	DieselExhP	7.68E-07	30YrCance	*	7.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
543	ALL	residential	487330.6	3618025	0.000867	9901	DieselExhP	7.66E-07	30YrCance	*	7.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
791	ALL	residential	487130.6	3618725	0.000866	9901	DieselExhP	7.66E-07	30YrCance	*	7.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1443	ALL	residential	485330.6	3620125	0.000864	9901	DieselExhP	7.64E-07	30YrCance	*	7.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1350	ALL	residential	485030.6	3619925	0.000863	9901	DieselExhP	7.63E-07	30YrCance	*	7.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1149	ALL	residential	486830.6	3619425	0.000861	9901	DieselExhP	7.61E-07	30YrCance	*	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
615	ALL	residential	487230.6	3618225	0.000861	9901	DieselExhP	7.61E-07	30YrCance	*	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
386	ALL	residential	488030.6	3617625	0.00086	9901	DieselExhP	7.61E-07	30YrCance	*	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1300	ALL	residential	484230.6	3619825	0.00086	9901	DieselExhP	7.60E-07	30YrCance	*	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1340	ALL	residential	484030.6	3619925	0.000858	9901	DieselExhP	7.59E-07	30YrCance	*	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1306	ALL	residential	484830.6	3619825	0.000857	9901	DieselExhP	7.58E-07	30YrCance	*	7.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1092	ALL	residential	486930.6	3619325	0.000856	9901	DieselExhP	7.57E-07	30YrCance	*	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
829	ALL	residential	487130.6	3618825	0.000855	9901	DieselExhP	7.56E-07	30YrCance	*	7.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
322	ALL	residential	488430.6	3617425	0.000854	9901	DieselExhP	7.55E-07	30YrCance	*	7.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
241	ALL	residential	489130.6	3616925	0.000854	9901	DieselExhP	7.55E-07	30YrCance	*	7.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
979	ALL	residential	487030.6	3619125	0.000854	9901	DieselExhP	7.55E-07	30YrCance	*	7.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1395	ALL	residential	485130.6	3620025	0.000853	9901	DieselExhP	7.54E-07	30YrCance	*	7.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
647	ALL	residential	487230.6	3618325	0.000849	9901	DieselExhP	7.51E-07	30YrCance	*	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
425	ALL	residential	487830.6	3617725	0.000848	9901	DieselExhP	7.50E-07	30YrCance	*	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1489	ALL	residential	485430.6	3620225	0.000844	9901	DieselExhP	7.46E-07	30YrCance	*	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
252	ALL	residential	489030.6	3617025	0.000843	9901	DieselExhP	7.46E-07	30YrCance	*	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1442	ALL	residential	485230.6	3620125	0.000842	9901	DieselExhP	7.45E-07	30YrCance	*	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
871	ALL	residential	487130.6	3618925	0.000842	9901	DieselExhP	7.44E-07	30YrCance	*	7.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1301	ALL	residential	484330.6	3619825	0.000841	9901	DieselExhP	7.43E-07	30YrCance	*	7.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
681	ALL	residential	487230.6	3618425	0.00084	9901	DieselExhP	7.43E-07	30YrCance	*	7.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1305	ALL	residential	484730.6	3619825	0.000839	9901	DieselExhP	7.42E-07	30YrCance	*	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1349	ALL	residential	484930.6	3619925	0.000838	9901	DieselExhP	7.41E-07	30YrCance	*	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1302	ALL	residential	484430.6	3619825	0.00083	9901	DieselExhP	7.34E-07	30YrCance	*	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
263	ALL	residential	488930.6	3617125	0.00083	9901	DieselExhP	7.34E-07	30YrCance	*	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1341	ALL	residential	484130.6	3619925	0.00083	9901	DieselExhP	7.34E-07	30YrCance	*	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1035	ALL	residential	487030.6	3619225	0.00083	9901	DieselExhP	7.34E-07	30YrCance	*	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1304	ALL	residential	484630.6	3619825	0.000828	9901	DieselExhP	7.32E-07	30YrCance	*	7.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
716	ALL	residential	487230.6	3618525	0.000828	9901	DieselExhP	7.32E-07	30YrCance	*	7.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
581	ALL	residential	487330.6	3618125	0.000827	9901	DieselExhP	7.31E-07	30YrCance	*	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1488	ALL	residential	485330.6	3620225	0.000826	9901	DieselExhP	7.31E-07	30YrCance	*	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1303	ALL	residential	484530.6	3619825	0.000825	9901	DieselExhP	7.30E-07	30YrCance	*	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1394	ALL	residential	485030.6	3620025	0.000825	9901	DieselExhP	7.30E-07	30YrCance	*	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
353	ALL	residential	488330.6	3617525	0.000825	9901	DieselExhP	7.29E-07	30YrCance	*	7.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
926	ALL	residential	487130.6	3619025	0.000823	9901	DieselExhP	7.27E-07	30YrCance	*	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
387	ALL	residential	488130.6	3617625	0.000823	9901	DieselExhP	7.27E-07	30YrCance	*	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1150	ALL	residential	486930.6	3619425	0.00082	9901	DieselExhP	7.25E-07	30YrCance	*	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1348	ALL	residential	484830.6	3619925	0.000818	9901	DieselExhP	7.23E-07	30YrCance	*	7.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1441	ALL	residential	485130.6	3620125	0.000818	9901	DieselExhP	7.23E-07	30YrCance	*	7.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
544	ALL	residential	487430.6	3618025	0.000816	9901	DieselExhP	7.21E-07	30YrCance	*	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
754	ALL	residential	487230.6	3618625	0.000814	9901	DieselExhP	7.20E-07	30YrCance	*	7.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
279	ALL	residential	488830.6	3617225	0.000814	9901	DieselExhP	7.20E-07	30YrCance	*	7.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
426	ALL	residential	487930.6	3617725	0.000811	9901	DieselExhP	7.17E-07	30YrCance	*	7.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
323	ALL	residential	488530.6	3617425	0.000811	9901	DieselExhP	7.17E-07	30YrCance	*	7.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1342	ALL	residential	484230.6	3619925	0.000808	9901	DieselExhP	7.15E-07	30YrCance	*	7.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1384	ALL	residential	484030.6	3620025	0.000808	9901	DieselExhP	7.15E-07	30YrCance	*	7.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1531	ALL	residential	485430.6	3620325	0.000807	9901	DieselExhP	7.14E-07	30YrCance	*	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1487	ALL	residential	485230.6	3620225	0.000807	9901	DieselExhP	7.13E-07	30YrCance	*	7.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1093	ALL	residential	487030.6	3619325	0.000806	9901	DieselExhP	7.13E-07	30YrCance	*	7.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
253	ALL	residential	489130.6	3617025	0.000805	9901	DieselExhP	7.12E-07	30YrCance	*	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
616	ALL	residential	487330.6	3618225	0.000801	9901	DieselExhP	7.09E-07	30YrCance	*	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
792	ALL	residential	487230.6	3618725	0.000801	9901	DieselExhP	7.08E-07	30YrCance	*	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1347	ALL	residential	484730.6	3619925	0.000801	9901	DieselExhP	7.08E-07	30YrCance	*	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1393	ALL	residential	484930.6	3620025	0.0008	9901	DieselExhP	7.08E-07	30YrCance	*	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
980	ALL	residential	487130.6	3619125	0.000799	9901	DieselExhP	7.06E-07	30YrCance	*	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1343	ALL	residential	484330.6	3619925	0.000794	9901	DieselExhP	7.02E-07	30YrCance	*	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
264	ALL	residential	489030.6	3617125	0.000793	9901	DieselExhP	7.01E-07	30YrCance	*	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1440	ALL	residential	485030.6	3620125	0.000792	9901	DieselExhP	7.00E-07	30YrCance	*	7.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1530	ALL	residential	485330.6	3620325	0.000791	9901	DieselExhP	7.00E-07	30YrCance	*	7.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1346	ALL	residential	484630.6	3619925	0.00079	9901	DieselExhP	6.99E-07	30YrCance	*	6.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
830	ALL	residential	487230.6	3618825	0.00079	9901	DieselExhP	6.98E-07	30YrCance	*	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
648	ALL	residential	487330.6	3618325	0.00079	9901	DieselExhP	6.98E-07	30YrCance	*	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
388	ALL	residential	488230.6	3617625	0.000789	9901	DieselExhP	6.98E-07	30YrCance	*	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1344	ALL	residential	484430.6	3619925	0.000786	9901	DieselExhP	6.95E-07	30YrCance	*	6.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1486	ALL	residential	485130.6	3620225	0.000785	9901	DieselExhP	6.94E-07	30YrCance	*	6.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
354	ALL	residential	488430.6	3617525	0.000785	9901	DieselExhP	6.94E-07	30YrCance	*	6.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1345	ALL	residential	484530.6	3619925	0.000784	9901	DieselExhP	6.93E-07	30YrCance	*	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
682	ALL	residential	487330.6	3618425	0.000782	9901	DieselExhP	6.91E-07	30YrCance	*	6.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1392	ALL	residential	484830.6	3620025	0.000782	9901	DieselExhP	6.91E-07	30YrCance	*	6.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1385	ALL	residential	484130.6	3620025	0.000781	9901	DieselExhP	6.91E-07	30YrCance	*	6.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
872	ALL	residential	487230.6	3618925	0.00078	9901	DieselExhP	6.90E-07	30YrCance	*	6.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
427	ALL	residential	488030.6	3617725	0.000779	9901	DieselExhP	6.89E-07	30YrCance	*	6.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1151	ALL	residential	487030.6	3619425	0.000778	9901	DieselExhP	6.88E-07	30YrCance	*	6.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
280	ALL	residential	488930.6	3617225	0.000778	9901	DieselExhP	6.88E-07	30YrCance	*	6.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
582	ALL	residential	487430.6	3618125	0.000777	9901	DieselExhP	6.87E-07	30YrCance	*	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1036	ALL	residential	487130.6	3619225	0.000775	9901	DieselExhP	6.85E-07	30YrCance	*	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1571	ALL	residential	485430.6	3620425	0.000774	9901	DieselExhP	6.84E-07	30YrCance	*	6.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1529	ALL	residential	485230.6	3620325	0.000774	9901	DieselExhP	6.84E-07	30YrCance	*	6.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
717	ALL	residential	487330.6	3618525	0.000771	9901	DieselExhP	6.82E-07	30YrCance	*	6.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
927	ALL	residential	487230.6	3619025	0.000768	9901	DieselExhP	6.79E-07	30YrCance	*	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1439	ALL	residential	484930.6	3620125	0.000767	9901	DieselExhP	6.79E-07	30YrCance	*	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1391	ALL	residential	484730.6	3620025	0.000766	9901	DieselExhP	6.77E-07	30YrCance	*	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1430	ALL	residential	484030.6	3620125	0.000766	9901	DieselExhP	6.77E-07	30YrCance	*	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1386	ALL	residential	484230.6	3620025	0.000764	9901	DieselExhP	6.76E-07	30YrCance	*	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1485	ALL	residential	485030.6	3620225	0.000761	9901	DieselExhP	6.73E-07	30YrCance	*	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1570	ALL	residential	485330.6	3620425	0.000759	9901	DieselExhP	6.71E-07	30YrCance	*	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
302	ALL	residential	488830.6	3617325	0.000759	9901	DieselExhP	6.71E-07	30YrCance	*	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
755	ALL	residential	487330.6	3618625	0.000758	9901	DieselExhP	6.70E-07	30YrCance	*	6.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
265	ALL	residential	489130.6	3617125	0.000758	9901	DieselExhP	6.70E-07	30YrCance	*	6.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1390	ALL	residential	484630.6	3620025	0.000755	9901	DieselExhP	6.68E-07	30YrCance	*	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
389	ALL	residential	488330.6	3617625	0.000755	9901	DieselExhP	6.67E-07	30YrCance	*	6.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1528	ALL	residential	485130.6	3620325	0.000754	9901	DieselExhP	6.67E-07	30YrCance	*	6.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1094	ALL	residential	487130.6	3619325	0.000753	9901	DieselExhP	6.66E-07	30YrCance	*	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1387	ALL	residential	484330.6	3620025	0.000752	9901	DieselExhP	6.65E-07	30YrCance	*	6.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
617	ALL	residential	487430.6	3618225	0.000751	9901	DieselExhP	6.65E-07	30YrCance	*	6.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
981	ALL	residential	487230.6	3619125	0.00075	9901	DieselExhP	6.63E-07	30YrCance	*	6.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
428	ALL	residential	488130.6	3617725	0.000748	9901	DieselExhP	6.61E-07	30YrCance	*	6.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1438	ALL	residential	484830.6	3620125	0.000748	9901	DieselExhP	6.61E-07	30YrCance	*	6.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1388	ALL	residential	484430.6	3620025	0.000747	9901	DieselExhP	6.60E-07	30YrCance	*	6.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
355	ALL	residential	488530.6	3617525	0.000747	9901	DieselExhP	6.60E-07	30YrCance	*	6.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1389	ALL	residential	484530.6	3620025	0.000747	9901	DieselExhP	6.60E-07	30YrCance	*	6.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
793	ALL	residential	487330.6	3618725	0.000745	9901	DieselExhP	6.59E-07	30YrCance	*	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1569	ALL	residential	485230.6	3620425	0.000743	9901	DieselExhP	6.57E-07	30YrCance	*	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
281	ALL	residential	489030.6	3617225	0.000743	9901	DieselExhP	6.57E-07	30YrCance	*	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1609	ALL	residential	485430.6	3620525	0.000742	9901	DieselExhP	6.56E-07	30YrCance	*	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1431	ALL	residential	484130.6	3620125	0.00074	9901	DieselExhP	6.54E-07	30YrCance	*	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
468	ALL	residential	487930.6	3617825	0.000738	9901	DieselExhP	6.53E-07	30YrCance	*	6.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1484	ALL	residential	484930.6	3620225	0.000737	9901	DieselExhP	6.52E-07	30YrCance	*	6.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
649	ALL	residential	487430.6	3618325	0.000737	9901	DieselExhP	6.52E-07	30YrCance	*	6.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
324	ALL	residential	488730.6	3617425	0.000736	9901	DieselExhP	6.51E-07	30YrCance	*	6.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
831	ALL	residential	487330.6	3618825	0.000734	9901	DieselExhP	6.49E-07	30YrCance	*	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1437	ALL	residential	484730.6	3620125	0.000733	9901	DieselExhP	6.48E-07	30YrCance	*	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1527	ALL	residential	485030.6	3620325	0.000733	9901	DieselExhP	6.48E-07	30YrCance	*	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1152	ALL	residential	487130.6	3619425	0.000732	9901	DieselExhP	6.47E-07	30YrCance	*	6.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
683	ALL	residential	487430.6	3618425	0.00073	9901	DieselExhP	6.46E-07	30YrCance	*	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1608	ALL	residential	485330.6	3620525	0.000729	9901	DieselExhP	6.45E-07	30YrCance	*	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1037	ALL	residential	487230.6	3619225	0.000728	9901	DieselExhP	6.44E-07	30YrCance	*	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1475	ALL	residential	484030.6	3620225	0.000728	9901	DieselExhP	6.43E-07	30YrCance	*	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1568	ALL	residential	485130.6	3620425	0.000726	9901	DieselExhP	6.42E-07	30YrCance	*	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1432	ALL	residential	484230.6	3620125	0.000725	9901	DieselExhP	6.41E-07	30YrCance	*	6.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
303	ALL	residential	488930.6	3617325	0.000725	9901	DieselExhP	6.41E-07	30YrCance	*	6.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
873	ALL	residential	487330.6	3618925	0.000724	9901	DieselExhP	6.40E-07	30YrCance	*	6.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1436	ALL	residential	484630.6	3620125	0.000722	9901	DieselExhP	6.38E-07	30YrCance	*	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
718	ALL	residential	487430.6	3618525	0.000722	9901	DieselExhP	6.38E-07	30YrCance	*	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
390	ALL	residential	488430.6	3617625	0.00072	9901	DieselExhP	6.37E-07	30YrCance	*	6.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
429	ALL	residential	488230.6	3617725	0.00072	9901	DieselExhP	6.36E-07	30YrCance	*	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1483	ALL	residential	484830.6	3620225	0.000718	9901	DieselExhP	6.35E-07	30YrCance	*	6.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
928	ALL	residential	487330.6	3619025	0.000715	9901	DieselExhP	6.33E-07	30YrCance	*	6.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1607	ALL	residential	485230.6	3620525	0.000715	9901	DieselExhP	6.32E-07	30YrCance	*	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1433	ALL	residential	484330.6	3620125	0.000715	9901	DieselExhP	6.32E-07	30YrCance	*	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1435	ALL	residential	484530.6	3620125	0.000714	9901	DieselExhP	6.31E-07	30YrCance	*	6.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1639	ALL	residential	485430.6	3620625	0.000713	9901	DieselExhP	6.30E-07	30YrCance	*	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
282	ALL	residential	489130.6	3617225	0.000712	9901	DieselExhP	6.30E-07	30YrCance	*	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1434	ALL	residential	484430.6	3620125	0.000712	9901	DieselExhP	6.29E-07	30YrCance	*	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
469	ALL	residential	488030.6	3617825	0.000711	9901	DieselExhP	6.28E-07	30YrCance	*	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1526	ALL	residential	484930.6	3620325	0.00071	9901	DieselExhP	6.28E-07	30YrCance	*	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
756	ALL	residential	487430.6	3618625	0.000709	9901	DieselExhP	6.27E-07	30YrCance	*	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
618	ALL	residential	487530.6	3618225	0.000707	9901	DieselExhP	6.25E-07	30YrCance	*	6.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1567	ALL	residential	485030.6	3620425	0.000705	9901	DieselExhP	6.24E-07	30YrCance	*	6.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1476	ALL	residential	484130.6	3620225	0.000705	9901	DieselExhP	6.24E-07	30YrCance	*	6.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1095	ALL	residential	487230.6	3619325	0.000705	9901	DieselExhP	6.24E-07	30YrCance	*	6.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
325	ALL	residential	488830.6	3617425	0.000704	9901	DieselExhP	6.22E-07	30YrCance	*	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
982	ALL	residential	487330.6	3619125	0.000703	9901	DieselExhP	6.22E-07	30YrCance	*	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1482	ALL	residential	484730.6	3620225	0.000703	9901	DieselExhP	6.21E-07	30YrCance	*	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1638	ALL	residential	485330.6	3620625	0.000702	9901	DieselExhP	6.21E-07	30YrCance	*	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1606	ALL	residential	485130.6	3620525	0.000698	9901	DieselExhP	6.17E-07	30YrCance	*	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
794	ALL	residential	487430.6	3618725	0.000697	9901	DieselExhP	6.16E-07	30YrCance	*	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
304	ALL	residential	489030.6	3617325	0.000694	9901	DieselExhP	6.14E-07	30YrCance	*	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1517	ALL	residential	484030.6	3620325	0.000693	9901	DieselExhP	6.13E-07	30YrCance	*	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
430	ALL	residential	488330.6	3617725	0.000692	9901	DieselExhP	6.12E-07	30YrCance	*	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
650	ALL	residential	487530.6	3618325	0.000692	9901	DieselExhP	6.12E-07	30YrCance	*	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1477	ALL	residential	484230.6	3620225	0.000691	9901	DieselExhP	6.11E-07	30YrCance	*	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1481	ALL	residential	484630.6	3620225	0.000691	9901	DieselExhP	6.11E-07	30YrCance	*	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1525	ALL	residential	484830.6	3620325	0.00069	9901	DieselExhP	6.10E-07	30YrCance	*	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
391	ALL	residential	488530.6	3617625	0.000687	9901	DieselExhP	6.08E-07	30YrCance	*	6.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1637	ALL	residential	485230.6	3620625	0.000686	9901	DieselExhP	6.07E-07	30YrCance	*	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
832	ALL	residential	487430.6	3618825	0.000686	9901	DieselExhP	6.06E-07	30YrCance	*	6.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1038	ALL	residential	487330.6	3619225	0.000685	9901	DieselExhP	6.06E-07	30YrCance	*	6.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1566	ALL	residential	484930.6	3620425	0.000685	9901	DieselExhP	6.06E-07	30YrCance	*	6.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1153	ALL	residential	487230.6	3619425	0.000684	9901	DieselExhP	6.05E-07	30YrCance	*	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
684	ALL	residential	487530.6	3618425	0.000684	9901	DieselExhP	6.05E-07	30YrCance	*	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1480	ALL	residential	484530.6	3620225	0.000683	9901	DieselExhP	6.04E-07	30YrCance	*	6.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1478	ALL	residential	484330.6	3620225	0.000682	9901	DieselExhP	6.03E-07	30YrCance	*	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
356	ALL	residential	488730.6	3617525	0.00068	9901	DieselExhP	6.02E-07	30YrCance	*	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
510	ALL	residential	487930.6	3617925	0.00068	9901	DieselExhP	6.01E-07	30YrCance	*	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1605	ALL	residential	485030.6	3620525	0.00068	9901	DieselExhP	6.01E-07	30YrCance	*	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1479	ALL	residential	484430.6	3620225	0.00068	9901	DieselExhP	6.01E-07	30YrCance	*	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
719	ALL	residential	487530.6	3618525	0.000677	9901	DieselExhP	5.99E-07	30YrCance	*	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
874	ALL	residential	487430.6	3618925	0.000675	9901	DieselExhP	5.97E-07	30YrCance	*	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1524	ALL	residential	484730.6	3620325	0.000675	9901	DieselExhP	5.97E-07	30YrCance	*	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
326	ALL	residential	488930.6	3617425	0.000673	9901	DieselExhP	5.95E-07	30YrCance	*	5.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1636	ALL	residential	485130.6	3620625	0.000672	9901	DieselExhP	5.94E-07	30YrCance	*	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1518	ALL	residential	484130.6	3620325	0.00067	9901	DieselExhP	5.93E-07	30YrCance	*	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
619	ALL	residential	487630.6	3618225	0.000669	9901	DieselExhP	5.92E-07	30YrCance	*	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
929	ALL	residential	487430.6	3619025	0.000667	9901	DieselExhP	5.90E-07	30YrCance	*	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
757	ALL	residential	487530.6	3618625	0.000667	9901	DieselExhP	5.89E-07	30YrCance	*	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
305	ALL	residential	489130.6	3617325	0.000665	9901	DieselExhP	5.88E-07	30YrCance	*	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1565	ALL	residential	484830.6	3620425	0.000665	9901	DieselExhP	5.88E-07	30YrCance	*	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1096	ALL	residential	487330.6	3619325	0.000664	9901	DieselExhP	5.87E-07	30YrCance	*	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
431	ALL	residential	488430.6	3617725	0.000664	9901	DieselExhP	5.87E-07	30YrCance	*	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1523	ALL	residential	484630.6	3620325	0.000663	9901	DieselExhP	5.86E-07	30YrCance	*	5.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1604	ALL	residential	484930.6	3620525	0.00066	9901	DieselExhP	5.84E-07	30YrCance	*	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
983	ALL	residential	487430.6	3619125	0.000659	9901	DieselExhP	5.82E-07	30YrCance	*	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
392	ALL	residential	488630.6	3617625	0.000658	9901	DieselExhP	5.81E-07	30YrCance	*	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1519	ALL	residential	484230.6	3620325	0.000657	9901	DieselExhP	5.81E-07	30YrCance	*	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1557	ALL	residential	484030.6	3620425	0.000657	9901	DieselExhP	5.81E-07	30YrCance	*	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1635	ALL	residential	485030.6	3620625	0.000656	9901	DieselExhP	5.80E-07	30YrCance	*	5.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
511	ALL	residential	488030.6	3617925	0.000655	9901	DieselExhP	5.79E-07	30YrCance	*	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1522	ALL	residential	484530.6	3620325	0.000654	9901	DieselExhP	5.79E-07	30YrCance	*	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
795	ALL	residential	487530.6	3618725	0.000654	9901	DieselExhP	5.79E-07	30YrCance	*	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
357	ALL	residential	488830.6	3617525	0.000652	9901	DieselExhP	5.77E-07	30YrCance	*	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
651	ALL	residential	487630.6	3618325	0.000652	9901	DieselExhP	5.76E-07	30YrCance	*	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1520	ALL	residential	484330.6	3620325	0.00065	9901	DieselExhP	5.75E-07	30YrCance	*	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1521	ALL	residential	484430.6	3620325	0.00065	9901	DieselExhP	5.75E-07	30YrCance	*	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1564	ALL	residential	484730.6	3620425	0.000649	9901	DieselExhP	5.74E-07	30YrCance	*	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1039	ALL	residential	487430.6	3619225	0.000646	9901	DieselExhP	5.71E-07	30YrCance	*	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
327	ALL	residential	489030.6	3617425	0.000646	9901	DieselExhP	5.71E-07	30YrCance	*	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
833	ALL	residential	487530.6	3618825	0.000644	9901	DieselExhP	5.69E-07	30YrCance	*	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1154	ALL	residential	487330.6	3619425	0.000642	9901	DieselExhP	5.68E-07	30YrCance	*	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
685	ALL	residential	487630.6	3618425	0.000642	9901	DieselExhP	5.68E-07	30YrCance	*	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1603	ALL	residential	484830.6	3620525	0.000642	9901	DieselExhP	5.67E-07	30YrCance	*	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1558	ALL	residential	484130.6	3620425	0.000637	9901	DieselExhP	5.63E-07	30YrCance	*	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
472	ALL	residential	488330.6	3617825	0.000637	9901	DieselExhP	5.63E-07	30YrCance	*	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
720	ALL	residential	487630.6	3618525	0.000636	9901	DieselExhP	5.63E-07	30YrCance	*	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
549	ALL	residential	487930.6	3618025	0.000636	9901	DieselExhP	5.63E-07	30YrCance	*	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1563	ALL	residential	484630.6	3620425	0.000636	9901	DieselExhP	5.62E-07	30YrCance	*	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
620	ALL	residential	487730.6	3618225	0.000635	9901	DieselExhP	5.62E-07	30YrCance	*	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
432	ALL	residential	488530.6	3617725	0.000634	9901	DieselExhP	5.61E-07	30YrCance	*	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
875	ALL	residential	487530.6	3618925	0.000634	9901	DieselExhP	5.60E-07	30YrCance	*	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
393	ALL	residential	488730.6	3617625	0.000629	9901	DieselExhP	5.56E-07	30YrCance	*	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1097	ALL	residential	487430.6	3619325	0.000629	9901	DieselExhP	5.56E-07	30YrCance	*	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
758	ALL	residential	487630.6	3618625	0.000628	9901	DieselExhP	5.56E-07	30YrCance	*	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1562	ALL	residential	484530.6	3620425	0.000628	9901	DieselExhP	5.55E-07	30YrCance	*	5.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1602	ALL	residential	484730.6	3620525	0.000626	9901	DieselExhP	5.53E-07	30YrCance	*	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1595	ALL	residential	484030.6	3620525	0.000625	9901	DieselExhP	5.53E-07	30YrCance	*	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1559	ALL	residential	484230.6	3620425	0.000625	9901	DieselExhP	5.52E-07	30YrCance	*	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
358	ALL	residential	488930.6	3617525	0.000624	9901	DieselExhP	5.52E-07	30YrCance	*	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
930	ALL	residential	487530.6	3619025	0.000624	9901	DieselExhP	5.52E-07	30YrCance	*	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1561	ALL	residential	484430.6	3620425	0.000622	9901	DieselExhP	5.50E-07	30YrCance	*	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1560	ALL	residential	484330.6	3620425	0.00062	9901	DieselExhP	5.49E-07	30YrCance	*	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
328	ALL	residential	489130.6	3617425	0.00062	9901	DieselExhP	5.48E-07	30YrCance	*	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
796	ALL	residential	487630.6	3618725	0.000617	9901	DieselExhP	5.46E-07	30YrCance	*	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
652	ALL	residential	487730.6	3618325	0.000617	9901	DieselExhP	5.45E-07	30YrCance	*	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
984	ALL	residential	487530.6	3619125	0.000616	9901	DieselExhP	5.45E-07	30YrCance	*	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
473	ALL	residential	488430.6	3617825	0.000615	9901	DieselExhP	5.44E-07	30YrCance	*	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1601	ALL	residential	484630.6	3620525	0.000615	9901	DieselExhP	5.43E-07	30YrCance	*	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
550	ALL	residential	488030.6	3618025	0.000611	9901	DieselExhP	5.41E-07	30YrCance	*	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1596	ALL	residential	484130.6	3620525	0.000609	9901	DieselExhP	5.39E-07	30YrCance	*	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
149	ALL	residential	489651	3613672	0.000609	9901	DieselExhP	5.38E-07	30YrCance	*	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1040	ALL	residential	487530.6	3619225	0.000608	9901	DieselExhP	5.38E-07	30YrCance	*	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
433	ALL	residential	488630.6	3617725	0.000608	9901	DieselExhP	5.37E-07	30YrCance	*	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
834	ALL	residential	487630.6	3618825	0.000606	9901	DieselExhP	5.36E-07	30YrCance	*	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1155	ALL	residential	487430.6	3619425	0.000606	9901	DieselExhP	5.36E-07	30YrCance	*	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1600	ALL	residential	484530.6	3620525	0.000605	9901	DieselExhP	5.35E-07	30YrCance	*	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
686	ALL	residential	487730.6	3618425	0.000605	9901	DieselExhP	5.35E-07	30YrCance	*	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
621	ALL	residential	487830.6	3618225	0.000605	9901	DieselExhP	5.35E-07	30YrCance	*	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
587	ALL	residential	487930.6	3618125	0.000603	9901	DieselExhP	5.34E-07	30YrCance	*	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
394	ALL	residential	488830.6	3617625	0.000603	9901	DieselExhP	5.33E-07	30YrCance	*	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1854	ALL	residential	482630.6	3621225	0.0006	9901	DieselExhP	5.31E-07	30YrCance	*	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
721	ALL	residential	487730.6	3618525	0.000599	9901	DieselExhP	5.30E-07	30YrCance	*	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
359	ALL	residential	489030.6	3617525	0.000599	9901	DieselExhP	5.30E-07	30YrCance	*	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1597	ALL	residential	484230.6	3620525	0.000599	9901	DieselExhP	5.29E-07	30YrCance	*	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1599	ALL	residential	484430.6	3620525	0.000598	9901	DieselExhP	5.29E-07	30YrCance	*	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1629	ALL	residential	484030.6	3620625	0.000598	9901	DieselExhP	5.29E-07	30YrCance	*	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
876	ALL	residential	487630.6	3618925	0.000597	9901	DieselExhP	5.28E-07	30YrCance	*	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1098	ALL	residential	487530.6	3619325	0.000595	9901	DieselExhP	5.26E-07	30YrCance	*	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1598	ALL	residential	484330.6	3620525	0.000595	9901	DieselExhP	5.26E-07	30YrCance	*	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
759	ALL	residential	487730.6	3618625	0.000593	9901	DieselExhP	5.25E-07	30YrCance	*	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1660	ALL	residential	483930.6	3620725	0.000593	9901	DieselExhP	5.24E-07	30YrCance	*	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
514	ALL	residential	488330.6	3617925	0.000592	9901	DieselExhP	5.23E-07	30YrCance	*	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
551	ALL	residential	488130.6	3618025	0.000591	9901	DieselExhP	5.23E-07	30YrCance	*	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
474	ALL	residential	488530.6	3617825	0.000589	9901	DieselExhP	5.21E-07	30YrCance	*	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
931	ALL	residential	487630.6	3619025	0.000588	9901	DieselExhP	5.20E-07	30YrCance	*	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1634	ALL	residential	484530.6	3620625	0.000585	9901	DieselExhP	5.18E-07	30YrCance	*	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
653	ALL	residential	487830.6	3618325	0.000585	9901	DieselExhP	5.18E-07	30YrCance	*	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
797	ALL	residential	487730.6	3618725	0.000584	9901	DieselExhP	5.17E-07	30YrCance	*	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
434	ALL	residential	488730.6	3617725	0.000583	9901	DieselExhP	5.16E-07	30YrCance	*	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1630	ALL	residential	484130.6	3620625	0.000583	9901	DieselExhP	5.16E-07	30YrCance	*	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
395	ALL	residential	488930.6	3617625	0.00058	9901	DieselExhP	5.13E-07	30YrCance	*	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
588	ALL	residential	488030.6	3618125	0.000579	9901	DieselExhP	5.12E-07	30YrCance	*	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
985	ALL	residential	487630.6	3619125	0.000579	9901	DieselExhP	5.12E-07	30YrCance	*	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1156	ALL	residential	487530.6	3619425	0.000578	9901	DieselExhP	5.11E-07	30YrCance	*	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1633	ALL	residential	484430.6	3620625	0.000578	9901	DieselExhP	5.11E-07	30YrCance	*	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
622	ALL	residential	487930.6	3618225	0.000578	9901	DieselExhP	5.11E-07	30YrCance	*	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
360	ALL	residential	489130.6	3617525	0.000577	9901	DieselExhP	5.10E-07	30YrCance	*	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1631	ALL	residential	484230.6	3620625	0.000575	9901	DieselExhP	5.08E-07	30YrCance	*	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1632	ALL	residential	484330.6	3620625	0.000574	9901	DieselExhP	5.08E-07	30YrCance	*	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
835	ALL	residential	487730.6	3618825	0.000574	9901	DieselExhP	5.07E-07	30YrCance	*	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1661	ALL	residential	484030.6	3620725	0.000573	9901	DieselExhP	5.07E-07	30YrCance	*	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
515	ALL	residential	488430.6	3617925	0.000573	9901	DieselExhP	5.06E-07	30YrCance	*	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
687	ALL	residential	487830.6	3618425	0.000572	9901	DieselExhP	5.06E-07	30YrCance	*	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
552	ALL	residential	488230.6	3618025	0.000572	9901	DieselExhP	5.06E-07	30YrCance	*	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1041	ALL	residential	487630.6	3619225	0.000571	9901	DieselExhP	5.05E-07	30YrCance	*	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1666	ALL	residential	484530.6	3620725	0.000567	9901	DieselExhP	5.01E-07	30YrCance	*	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1708	ALL	residential	483930.6	3620825	0.000566	9901	DieselExhP	5.01E-07	30YrCance	*	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
722	ALL	residential	487830.6	3618525	0.000566	9901	DieselExhP	5.00E-07	30YrCance	*	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
475	ALL	residential	488630.6	3617825	0.000565	9901	DieselExhP	4.99E-07	30YrCance	*	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
877	ALL	residential	487730.6	3618925	0.000564	9901	DieselExhP	4.99E-07	30YrCance	*	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1099	ALL	residential	487630.6	3619325	0.000562	9901	DieselExhP	4.97E-07	30YrCance	*	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1741	ALL	residential	483830.6	3620925	0.000562	9901	DieselExhP	4.97E-07	30YrCance	*	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1662	ALL	residential	484130.6	3620725	0.000561	9901	DieselExhP	4.96E-07	30YrCance	*	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
760	ALL	residential	487830.6	3618625	0.000561	9901	DieselExhP	4.96E-07	30YrCance	*	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1665	ALL	residential	484430.6	3620725	0.00056	9901	DieselExhP	4.95E-07	30YrCance	*	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
435	ALL	residential	488830.6	3617725	0.00056	9901	DieselExhP	4.95E-07	30YrCance	*	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
589	ALL	residential	488130.6	3618125	0.000559	9901	DieselExhP	4.94E-07	30YrCance	*	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
654	ALL	residential	487930.6	3618325	0.000557	9901	DieselExhP	4.93E-07	30YrCance	*	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
396	ALL	residential	489030.6	3617625	0.000557	9901	DieselExhP	4.93E-07	30YrCance	*	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
932	ALL	residential	487730.6	3619025	0.000556	9901	DieselExhP	4.91E-07	30YrCance	*	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1663	ALL	residential	484230.6	3620725	0.000556	9901	DieselExhP	4.91E-07	30YrCance	*	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1664	ALL	residential	484330.6	3620725	0.000555	9901	DieselExhP	4.91E-07	30YrCance	*	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
798	ALL	residential	487830.6	3618725	0.000554	9901	DieselExhP	4.90E-07	30YrCance	*	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
623	ALL	residential	488030.6	3618225	0.000554	9901	DieselExhP	4.90E-07	30YrCance	*	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
553	ALL	residential	488330.6	3618025	0.000553	9901	DieselExhP	4.89E-07	30YrCance	*	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1709	ALL	residential	484030.6	3620825	0.00055	9901	DieselExhP	4.86E-07	30YrCance	*	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1683	ALL	residential	479030.6	3620825	0.00055	9901	DieselExhP	4.86E-07	30YrCance	*	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
516	ALL	residential	488530.6	3617925	0.000549	9901	DieselExhP	4.86E-07	30YrCance	*	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1157	ALL	residential	487630.6	3619425	0.000549	9901	DieselExhP	4.86E-07	30YrCance	*	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
986	ALL	residential	487730.6	3619125	0.000546	9901	DieselExhP	4.83E-07	30YrCance	*	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1731	ALL	residential	479230.6	3620925	0.000545	9901	DieselExhP	4.82E-07	30YrCance	*	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
836	ALL	residential	487830.6	3618825	0.000545	9901	DieselExhP	4.82E-07	30YrCance	*	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1713	ALL	residential	484430.6	3620825	0.000544	9901	DieselExhP	4.81E-07	30YrCance	*	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
688	ALL	residential	487930.6	3618425	0.000543	9901	DieselExhP	4.80E-07	30YrCance	*	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1742	ALL	residential	483930.6	3620925	0.000543	9901	DieselExhP	4.80E-07	30YrCance	*	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
476	ALL	residential	488730.6	3617825	0.000543	9901	DieselExhP	4.80E-07	30YrCance	*	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1710	ALL	residential	484130.6	3620825	0.000541	9901	DieselExhP	4.78E-07	30YrCance	*	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1764	ALL	residential	479430.6	3621025	0.00054	9901	DieselExhP	4.78E-07	30YrCance	*	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
590	ALL	residential	488230.6	3618125	0.00054	9901	DieselExhP	4.78E-07	30YrCance	*	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1830	ALL	residential	480030.6	3621225	0.000539	9901	DieselExhP	4.77E-07	30YrCance	*	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1712	ALL	residential	484330.6	3620825	0.000539	9901	DieselExhP	4.77E-07	30YrCance	*	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1791	ALL	residential	479630.6	3621125	0.000539	9901	DieselExhP	4.77E-07	30YrCance	*	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
436	ALL	residential	488930.6	3617725	0.000539	9901	DieselExhP	4.77E-07	30YrCance	*	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1768	ALL	residential	483830.6	3621025	0.000538	9901	DieselExhP	4.76E-07	30YrCance	*	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1042	ALL	residential	487730.6	3619225	0.000538	9901	DieselExhP	4.76E-07	30YrCance	*	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1711	ALL	residential	484230.6	3620825	0.000537	9901	DieselExhP	4.75E-07	30YrCance	*	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
397	ALL	residential	489130.6	3617625	0.000536	9901	DieselExhP	4.74E-07	30YrCance	*	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
723	ALL	residential	487930.6	3618525	0.000536	9901	DieselExhP	4.74E-07	30YrCance	*	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
554	ALL	residential	488430.6	3618025	0.000535	9901	DieselExhP	4.73E-07	30YrCance	*	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
878	ALL	residential	487830.6	3618925	0.000535	9901	DieselExhP	4.73E-07	30YrCance	*	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1682	ALL	residential	478930.6	3620825	0.000534	9901	DieselExhP	4.73E-07	30YrCance	*	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1829	ALL	residential	479930.6	3621225	0.000534	9901	DieselExhP	4.72E-07	30YrCance	*	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
655	ALL	residential	488030.6	3618325	0.000534	9901	DieselExhP	4.72E-07	30YrCance	*	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
624	ALL	residential	488130.6	3618225	0.000533	9901	DieselExhP	4.71E-07	30YrCance	*	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
761	ALL	residential	487930.6	3618625	0.000531	9901	DieselExhP	4.70E-07	30YrCance	*	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1743	ALL	residential	484030.6	3620925	0.000531	9901	DieselExhP	4.69E-07	30YrCance	*	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1100	ALL	residential	487730.6	3619325	0.00053	9901	DieselExhP	4.69E-07	30YrCance	*	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1730	ALL	residential	479130.6	3620925	0.000529	9901	DieselExhP	4.68E-07	30YrCance	*	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
517	ALL	residential	488630.6	3617925	0.000528	9901	DieselExhP	4.67E-07	30YrCance	*	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
933	ALL	residential	487830.6	3619025	0.000526	9901	DieselExhP	4.65E-07	30YrCance	*	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
799	ALL	residential	487930.6	3618725	0.000526	9901	DieselExhP	4.65E-07	30YrCance	*	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1828	ALL	residential	479830.6	3621225	0.000526	9901	DieselExhP	4.65E-07	30YrCance	*	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1746	ALL	residential	484330.6	3620925	0.000524	9901	DieselExhP	4.64E-07	30YrCance	*	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1744	ALL	residential	484130.6	3620925	0.000524	9901	DieselExhP	4.64E-07	30YrCance	*	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1763	ALL	residential	479330.6	3621025	0.000524	9901	DieselExhP	4.63E-07	30YrCance	*	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1769	ALL	residential	483930.6	3621025	0.000523	9901	DieselExhP	4.62E-07	30YrCance	*	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1790	ALL	residential	479530.6	3621125	0.000523	9901	DieselExhP	4.62E-07	30YrCance	*	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
591	ALL	residential	488330.6	3618125	0.000523	9901	DieselExhP	4.62E-07	30YrCance	*	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1745	ALL	residential	484230.6	3620925	0.000522	9901	DieselExhP	4.62E-07	30YrCance	*	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
477	ALL	residential	488830.6	3617825	0.000522	9901	DieselExhP	4.61E-07	30YrCance	*	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1158	ALL	residential	487730.6	3619425	0.000521	9901	DieselExhP	4.60E-07	30YrCance	*	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
689	ALL	residential	488030.6	3618425	0.000519	9901	DieselExhP	4.59E-07	30YrCance	*	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
437	ALL	residential	489030.6	3617725	0.000519	9901	DieselExhP	4.59E-07	30YrCance	*	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
837	ALL	residential	487930.6	3618825	0.000518	9901	DieselExhP	4.58E-07	30YrCance	*	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
555	ALL	residential	488530.6	3618025	0.000518	9901	DieselExhP	4.58E-07	30YrCance	*	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1804	ALL	residential	483830.6	3621125	0.000517	9901	DieselExhP	4.57E-07	30YrCance	*	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
987	ALL	residential	487830.6	3619125	0.000517	9901	DieselExhP	4.57E-07	30YrCance	*	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1827	ALL	residential	479730.6	3621225	0.000516	9901	DieselExhP	4.56E-07	30YrCance	*	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
625	ALL	residential	488230.6	3618225	0.000515	9901	DieselExhP	4.55E-07	30YrCance	*	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
656	ALL	residential	488130.6	3618325	0.000513	9901	DieselExhP	4.53E-07	30YrCance	*	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1770	ALL	residential	484030.6	3621025	0.000513	9901	DieselExhP	4.53E-07	30YrCance	*	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1681	ALL	residential	478830.6	3620825	0.000512	9901	DieselExhP	4.53E-07	30YrCance	*	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1240	ALL	residential	487630.6	3619625	0.000512	9901	DieselExhP	4.53E-07	30YrCance	*	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1729	ALL	residential	479030.6	3620925	0.000511	9901	DieselExhP	4.52E-07	30YrCance	*	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1762	ALL	residential	479230.6	3621025	0.00051	9901	DieselExhP	4.51E-07	30YrCance	*	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
724	ALL	residential	488030.6	3618525	0.000509	9901	DieselExhP	4.50E-07	30YrCance	*	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
879	ALL	residential	487930.6	3618925	0.000509	9901	DieselExhP	4.50E-07	30YrCance	*	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1772	ALL	residential	484230.6	3621025	0.000508	9901	DieselExhP	4.49E-07	30YrCance	*	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1771	ALL	residential	484130.6	3621025	0.000508	9901	DieselExhP	4.49E-07	30YrCance	*	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1043	ALL	residential	487830.6	3619225	0.000508	9901	DieselExhP	4.49E-07	30YrCance	*	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1199	ALL	residential	487730.6	3619525	0.000507	9901	DieselExhP	4.49E-07	30YrCance	*	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
518	ALL	residential	488730.6	3617925	0.000507	9901	DieselExhP	4.48E-07	30YrCance	*	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
592	ALL	residential	488430.6	3618125	0.000506	9901	DieselExhP	4.48E-07	30YrCance	*	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1826	ALL	residential	479630.6	3621225	0.000506	9901	DieselExhP	4.47E-07	30YrCance	*	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1789	ALL	residential	479430.6	3621125	0.000505	9901	DieselExhP	4.47E-07	30YrCance	*	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1805	ALL	residential	483930.6	3621125	0.000505	9901	DieselExhP	4.46E-07	30YrCance	*	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
762	ALL	residential	488030.6	3618625	0.000504	9901	DieselExhP	4.46E-07	30YrCance	*	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
478	ALL	residential	488930.6	3617825	0.000502	9901	DieselExhP	4.44E-07	30YrCance	*	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
438	ALL	residential	489130.6	3617725	0.0005	9901	DieselExhP	4.42E-07	30YrCance	*	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
934	ALL	residential	487930.6	3619025	0.0005	9901	DieselExhP	4.42E-07	30YrCance	*	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
800	ALL	residential	488030.6	3618725	0.0005	9901	DieselExhP	4.42E-07	30YrCance	*	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1101	ALL	residential	487830.6	3619325	0.0005	9901	DieselExhP	4.42E-07	30YrCance	*	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
626	ALL	residential	488330.6	3618225	0.000498	9901	DieselExhP	4.40E-07	30YrCance	*	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1855	ALL	residential	483830.6	3621225	0.000497	9901	DieselExhP	4.40E-07	30YrCance	*	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1806	ALL	residential	484030.6	3621125	0.000497	9901	DieselExhP	4.40E-07	30YrCance	*	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
690	ALL	residential	488130.6	3618425	0.000497	9901	DieselExhP	4.39E-07	30YrCance	*	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
556	ALL	residential	488630.6	3618025	0.000497	9901	DieselExhP	4.39E-07	30YrCance	*	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1657	ALL	residential	478630.6	3620725	0.000497	9901	DieselExhP	4.39E-07	30YrCance	*	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1808	ALL	residential	484230.6	3621125	0.000495	9901	DieselExhP	4.38E-07	30YrCance	*	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
657	ALL	residential	488230.6	3618325	0.000495	9901	DieselExhP	4.38E-07	30YrCance	*	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1807	ALL	residential	484130.6	3621125	0.000495	9901	DieselExhP	4.38E-07	30YrCance	*	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1761	ALL	residential	479130.6	3621025	0.000495	9901	DieselExhP	4.37E-07	30YrCance	*	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
838	ALL	residential	488030.6	3618825	0.000494	9901	DieselExhP	4.37E-07	30YrCance	*	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1728	ALL	residential	478930.6	3620925	0.000494	9901	DieselExhP	4.37E-07	30YrCance	*	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1159	ALL	residential	487830.6	3619425	0.000492	9901	DieselExhP	4.35E-07	30YrCance	*	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
988	ALL	residential	487930.6	3619125	0.000492	9901	DieselExhP	4.35E-07	30YrCance	*	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1825	ALL	residential	479530.6	3621225	0.00049	9901	DieselExhP	4.34E-07	30YrCance	*	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
593	ALL	residential	488530.6	3618125	0.00049	9901	DieselExhP	4.33E-07	30YrCance	*	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1856	ALL	residential	483930.6	3621225	0.000489	9901	DieselExhP	4.32E-07	30YrCance	*	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1788	ALL	residential	479330.6	3621125	0.000489	9901	DieselExhP	4.32E-07	30YrCance	*	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1627	ALL	residential	478530.6	3620625	0.000488	9901	DieselExhP	4.31E-07	30YrCance	*	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1680	ALL	residential	478730.6	3620825	0.000487	9901	DieselExhP	4.31E-07	30YrCance	*	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
519	ALL	residential	488830.6	3617925	0.000487	9901	DieselExhP	4.31E-07	30YrCance	*	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
880	ALL	residential	488030.6	3618925	0.000486	9901	DieselExhP	4.30E-07	30YrCance	*	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
725	ALL	residential	488130.6	3618525	0.000486	9901	DieselExhP	4.30E-07	30YrCance	*	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
479	ALL	residential	489030.6	3617825	0.000484	9901	DieselExhP	4.28E-07	30YrCance	*	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1857	ALL	residential	484030.6	3621225	0.000484	9901	DieselExhP	4.28E-07	30YrCance	*	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1044	ALL	residential	487930.6	3619225	0.000483	9901	DieselExhP	4.27E-07	30YrCance	*	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1858	ALL	residential	484130.6	3621225	0.000483	9901	DieselExhP	4.27E-07	30YrCance	*	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
627	ALL	residential	488430.6	3618225	0.000481	9901	DieselExhP	4.26E-07	30YrCance	*	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
763	ALL	residential	488130.6	3618625	0.00048	9901	DieselExhP	4.25E-07	30YrCance	*	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
691	ALL	residential	488230.6	3618425	0.000479	9901	DieselExhP	4.23E-07	30YrCance	*	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
658	ALL	residential	488330.6	3618325	0.000478	9901	DieselExhP	4.23E-07	30YrCance	*	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
557	ALL	residential	488730.6	3618025	0.000478	9901	DieselExhP	4.22E-07	30YrCance	*	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
935	ALL	residential	488030.6	3619025	0.000477	9901	DieselExhP	4.22E-07	30YrCance	*	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1760	ALL	residential	479030.6	3621025	0.000477	9901	DieselExhP	4.21E-07	30YrCance	*	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
801	ALL	residential	488130.6	3618725	0.000476	9901	DieselExhP	4.21E-07	30YrCance	*	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1787	ALL	residential	479230.6	3621125	0.000476	9901	DieselExhP	4.21E-07	30YrCance	*	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1102	ALL	residential	487930.6	3619325	0.000474	9901	DieselExhP	4.19E-07	30YrCance	*	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1824	ALL	residential	479430.6	3621225	0.000473	9901	DieselExhP	4.18E-07	30YrCance	*	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
839	ALL	residential	488130.6	3618825	0.000472	9901	DieselExhP	4.17E-07	30YrCance	*	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1727	ALL	residential	478830.6	3620925	0.000471	9901	DieselExhP	4.16E-07	30YrCance	*	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
594	ALL	residential	488630.6	3618125	0.00047	9901	DieselExhP	4.16E-07	30YrCance	*	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
520	ALL	residential	488930.6	3617925	0.00047	9901	DieselExhP	4.15E-07	30YrCance	*	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1590	ALL	residential	478430.6	3620525	0.000469	9901	DieselExhP	4.15E-07	30YrCance	*	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
989	ALL	residential	488030.6	3619125	0.000469	9901	DieselExhP	4.15E-07	30YrCance	*	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
480	ALL	residential	489130.6	3617825	0.000468	9901	DieselExhP	4.13E-07	30YrCance	*	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
628	ALL	residential	488530.6	3618225	0.000466	9901	DieselExhP	4.12E-07	30YrCance	*	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
726	ALL	residential	488230.6	3618525	0.000466	9901	DieselExhP	4.12E-07	30YrCance	*	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
881	ALL	residential	488130.6	3618925	0.000465	9901	DieselExhP	4.11E-07	30YrCance	*	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
844	ALL	residential	477730.6	3618925	0.000465	9901	DieselExhP	4.11E-07	30YrCance	*	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
659	ALL	residential	488430.6	3618325	0.000462	9901	DieselExhP	4.09E-07	30YrCance	*	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
692	ALL	residential	488330.6	3618425	0.000462	9901	DieselExhP	4.09E-07	30YrCance	*	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1045	ALL	residential	488030.6	3619225	0.000462	9901	DieselExhP	4.08E-07	30YrCance	*	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1786	ALL	residential	479130.6	3621125	0.00046	9901	DieselExhP	4.07E-07	30YrCance	*	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
558	ALL	residential	488830.6	3618025	0.00046	9901	DieselExhP	4.06E-07	30YrCance	*	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
764	ALL	residential	488230.6	3618625	0.000459	9901	DieselExhP	4.06E-07	30YrCance	*	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1759	ALL	residential	478930.6	3621025	0.000459	9901	DieselExhP	4.05E-07	30YrCance	*	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1656	ALL	residential	478530.6	3620725	0.000458	9901	DieselExhP	4.05E-07	30YrCance	*	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
936	ALL	residential	488130.6	3619025	0.000457	9901	DieselExhP	4.04E-07	30YrCance	*	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1823	ALL	residential	479330.6	3621225	0.000457	9901	DieselExhP	4.04E-07	30YrCance	*	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1551	ALL	residential	478330.6	3620425	0.000455	9901	DieselExhP	4.03E-07	30YrCance	*	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1679	ALL	residential	478630.6	3620825	0.000455	9901	DieselExhP	4.02E-07	30YrCance	*	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
802	ALL	residential	488230.6	3618725	0.000455	9901	DieselExhP	4.02E-07	30YrCance	*	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
521	ALL	residential	489030.6	3617925	0.000454	9901	DieselExhP	4.01E-07	30YrCance	*	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
595	ALL	residential	488730.6	3618125	0.000452	9901	DieselExhP	4.00E-07	30YrCance	*	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
891	ALL	residential	477730.6	3619025	0.000452	9901	DieselExhP	4.00E-07	30YrCance	*	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
840	ALL	residential	488230.6	3618825	0.000451	9901	DieselExhP	3.99E-07	30YrCance	*	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
629	ALL	residential	488630.6	3618225	0.00045	9901	DieselExhP	3.98E-07	30YrCance	*	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
727	ALL	residential	488330.6	3618525	0.00045	9901	DieselExhP	3.98E-07	30YrCance	*	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
990	ALL	residential	488130.6	3619125	0.000449	9901	DieselExhP	3.97E-07	30YrCance	*	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
660	ALL	residential	488530.6	3618325	0.000448	9901	DieselExhP	3.96E-07	30YrCance	*	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1626	ALL	residential	478430.6	3620625	0.000448	9901	DieselExhP	3.96E-07	30YrCance	*	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
693	ALL	residential	488430.6	3618425	0.000447	9901	DieselExhP	3.95E-07	30YrCance	*	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1726	ALL	residential	478730.6	3620925	0.000446	9901	DieselExhP	3.95E-07	30YrCance	*	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
882	ALL	residential	488230.6	3618925	0.000446	9901	DieselExhP	3.94E-07	30YrCance	*	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1785	ALL	residential	479030.6	3621125	0.000443	9901	DieselExhP	3.92E-07	30YrCance	*	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
559	ALL	residential	488930.6	3618025	0.000443	9901	DieselExhP	3.92E-07	30YrCance	*	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1822	ALL	residential	479230.6	3621225	0.000442	9901	DieselExhP	3.91E-07	30YrCance	*	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
765	ALL	residential	488330.6	3618625	0.000441	9901	DieselExhP	3.90E-07	30YrCance	*	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI!	WATER_RI!	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS!	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1509	ALL	residential	478230.6	3620325	0.000441	9901	DieselExhP	3.90E-07	30YrCance	*	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
937	ALL	residential	488230.6	3619025	0.000439	9901	DieselExhP	3.88E-07	30YrCance	*	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
945	ALL	residential	477730.6	3619125	0.000438	9901	DieselExhP	3.88E-07	30YrCance	*	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1758	ALL	residential	478830.6	3621025	0.000438	9901	DieselExhP	3.87E-07	30YrCance	*	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
522	ALL	residential	489130.6	3617925	0.000438	9901	DieselExhP	3.87E-07	30YrCance	*	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
803	ALL	residential	488330.6	3618725	0.000436	9901	DieselExhP	3.85E-07	30YrCance	*	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
596	ALL	residential	488830.6	3618125	0.000435	9901	DieselExhP	3.85E-07	30YrCance	*	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
728	ALL	residential	488430.6	3618525	0.000434	9901	DieselExhP	3.84E-07	30YrCance	*	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1589	ALL	residential	478330.6	3620525	0.000434	9901	DieselExhP	3.83E-07	30YrCance	*	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
630	ALL	residential	488730.6	3618225	0.000433	9901	DieselExhP	3.83E-07	30YrCance	*	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
661	ALL	residential	488630.6	3618325	0.000432	9901	DieselExhP	3.82E-07	30YrCance	*	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
694	ALL	residential	488530.6	3618425	0.000432	9901	DieselExhP	3.82E-07	30YrCance	*	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
841	ALL	residential	488330.6	3618825	0.000432	9901	DieselExhP	3.82E-07	30YrCance	*	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1821	ALL	residential	479130.6	3621225	0.000428	9901	DieselExhP	3.78E-07	30YrCance	*	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
883	ALL	residential	488330.6	3618925	0.000428	9901	DieselExhP	3.78E-07	30YrCance	*	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
560	ALL	residential	489030.6	3618025	0.000427	9901	DieselExhP	3.78E-07	30YrCance	*	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1784	ALL	residential	478930.6	3621125	0.000425	9901	DieselExhP	3.76E-07	30YrCance	*	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
766	ALL	residential	488430.6	3618625	0.000425	9901	DieselExhP	3.75E-07	30YrCance	*	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1001	ALL	residential	477730.6	3619225	0.000425	9901	DieselExhP	3.75E-07	30YrCance	*	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1678	ALL	residential	478530.6	3620825	0.000424	9901	DieselExhP	3.75E-07	30YrCance	*	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1655	ALL	residential	478430.6	3620725	0.000422	9901	DieselExhP	3.73E-07	30YrCance	*	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1725	ALL	residential	478630.6	3620925	0.00042	9901	DieselExhP	3.71E-07	30YrCance	*	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
597	ALL	residential	488930.6	3618125	0.000419	9901	DieselExhP	3.71E-07	30YrCance	*	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
729	ALL	residential	488530.6	3618525	0.000419	9901	DieselExhP	3.71E-07	30YrCance	*	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
804	ALL	residential	488430.6	3618725	0.000418	9901	DieselExhP	3.70E-07	30YrCance	*	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
695	ALL	residential	488630.6	3618425	0.000418	9901	DieselExhP	3.70E-07	30YrCance	*	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1550	ALL	residential	478230.6	3620425	0.000418	9901	DieselExhP	3.69E-07	30YrCance	*	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
631	ALL	residential	488830.6	3618225	0.000417	9901	DieselExhP	3.69E-07	30YrCance	*	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
662	ALL	residential	488730.6	3618325	0.000416	9901	DieselExhP	3.68E-07	30YrCance	*	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1757	ALL	residential	478730.6	3621025	0.000414	9901	DieselExhP	3.66E-07	30YrCance	*	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
842	ALL	residential	488430.6	3618825	0.000414	9901	DieselExhP	3.66E-07	30YrCance	*	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1625	ALL	residential	478330.6	3620625	0.000413	9901	DieselExhP	3.65E-07	30YrCance	*	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
561	ALL	residential	489130.6	3618025	0.000412	9901	DieselExhP	3.64E-07	30YrCance	*	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1820	ALL	residential	479030.6	3621225	0.000411	9901	DieselExhP	3.64E-07	30YrCance	*	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1056	ALL	residential	477730.6	3619325	0.00041	9901	DieselExhP	3.63E-07	30YrCance	*	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
767	ALL	residential	488530.6	3618625	0.000409	9901	DieselExhP	3.62E-07	30YrCance	*	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1783	ALL	residential	478830.6	3621125	0.000407	9901	DieselExhP	3.60E-07	30YrCance	*	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
730	ALL	residential	488630.6	3618525	0.000406	9901	DieselExhP	3.59E-07	30YrCance	*	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
598	ALL	residential	489030.6	3618125	0.000404	9901	DieselExhP	3.58E-07	30YrCance	*	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
805	ALL	residential	488530.6	3618725	0.000403	9901	DieselExhP	3.56E-07	30YrCance	*	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
696	ALL	residential	488730.6	3618425	0.000403	9901	DieselExhP	3.56E-07	30YrCance	*	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
632	ALL	residential	488930.6	3618225	0.000401	9901	DieselExhP	3.55E-07	30YrCance	*	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
663	ALL	residential	488830.6	3618325	0.0004	9901	DieselExhP	3.54E-07	30YrCance	*	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1508	ALL	residential	478130.6	3620325	0.0004	9901	DieselExhP	3.54E-07	30YrCance	*	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1588	ALL	residential	478230.6	3620525	0.0004	9901	DieselExhP	3.53E-07	30YrCance	*	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
768	ALL	residential	488630.6	3618625	0.000396	9901	DieselExhP	3.50E-07	30YrCance	*	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1819	ALL	residential	478930.6	3621225	0.000396	9901	DieselExhP	3.50E-07	30YrCance	*	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1724	ALL	residential	478530.6	3620925	0.000392	9901	DieselExhP	3.47E-07	30YrCance	*	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1654	ALL	residential	478330.6	3620725	0.000392	9901	DieselExhP	3.47E-07	30YrCance	*	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1677	ALL	residential	478430.6	3620825	0.000392	9901	DieselExhP	3.46E-07	30YrCance	*	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
731	ALL	residential	488730.6	3618525	0.000391	9901	DieselExhP	3.46E-07	30YrCance	*	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
599	ALL	residential	489130.6	3618125	0.000391	9901	DieselExhP	3.45E-07	30YrCance	*	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1756	ALL	residential	478630.6	3621025	0.00039	9901	DieselExhP	3.45E-07	30YrCance	*	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
697	ALL	residential	488830.6	3618425	0.000387	9901	DieselExhP	3.42E-07	30YrCance	*	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
633	ALL	residential	489030.6	3618225	0.000387	9901	DieselExhP	3.42E-07	30YrCance	*	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1782	ALL	residential	478730.6	3621125	0.000387	9901	DieselExhP	3.42E-07	30YrCance	*	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
664	ALL	residential	488930.6	3618325	0.000385	9901	DieselExhP	3.41E-07	30YrCance	*	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1113	ALL	residential	477730.6	3619425	0.000385	9901	DieselExhP	3.41E-07	30YrCance	*	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1624	ALL	residential	478230.6	3620625	0.000383	9901	DieselExhP	3.39E-07	30YrCance	*	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
843	ALL	residential	477630.6	3618925	0.000382	9901	DieselExhP	3.38E-07	30YrCance	*	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1549	ALL	residential	478130.6	3620425	0.000381	9901	DieselExhP	3.37E-07	30YrCance	*	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1818	ALL	residential	478830.6	3621225	0.000379	9901	DieselExhP	3.35E-07	30YrCance	*	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1463	ALL	residential	478030.6	3620225	0.000378	9901	DieselExhP	3.34E-07	30YrCance	*	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1291	ALL	residential	477830.6	3619825	0.000377	9901	DieselExhP	3.33E-07	30YrCance	*	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
890	ALL	residential	477630.6	3619025	0.000375	9901	DieselExhP	3.31E-07	30YrCance	*	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1587	ALL	residential	478130.6	3620525	0.000367	9901	DieselExhP	3.25E-07	30YrCance	*	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1755	ALL	residential	478530.6	3621025	0.000367	9901	DieselExhP	3.25E-07	30YrCance	*	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
944	ALL	residential	477630.6	3619125	0.000367	9901	DieselExhP	3.25E-07	30YrCance	*	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1723	ALL	residential	478430.6	3620925	0.000366	9901	DieselExhP	3.23E-07	30YrCance	*	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1676	ALL	residential	478330.6	3620825	0.000365	9901	DieselExhP	3.23E-07	30YrCance	*	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1781	ALL	residential	478630.6	3621125	0.000365	9901	DieselExhP	3.23E-07	30YrCance	*	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1653	ALL	residential	478230.6	3620725	0.000365	9901	DieselExhP	3.22E-07	30YrCance	*	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1817	ALL	residential	478730.6	3621225	0.000361	9901	DieselExhP	3.19E-07	30YrCance	*	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1170	ALL	residential	477730.6	3619525	0.00036	9901	DieselExhP	3.18E-07	30YrCance	*	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1507	ALL	residential	478030.6	3620325	0.00036	9901	DieselExhP	3.18E-07	30YrCance	*	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1000	ALL	residential	477630.6	3619225	0.000359	9901	DieselExhP	3.18E-07	30YrCance	*	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1417	ALL	residential	477930.6	3620125	0.000356	9901	DieselExhP	3.15E-07	30YrCance	*	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1330	ALL	residential	477830.6	3619925	0.000354	9901	DieselExhP	3.13E-07	30YrCance	*	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1623	ALL	residential	478130.6	3620625	0.000353	9901	DieselExhP	3.13E-07	30YrCance	*	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1055	ALL	residential	477630.6	3619325	0.000348	9901	DieselExhP	3.08E-07	30YrCance	*	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1548	ALL	residential	478030.6	3620425	0.000348	9901	DieselExhP	3.07E-07	30YrCance	*	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1780	ALL	residential	478530.6	3621125	0.000345	9901	DieselExhP	3.05E-07	30YrCance	*	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1754	ALL	residential	478430.6	3621025	0.000345	9901	DieselExhP	3.05E-07	30YrCance	*	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1210	ALL	residential	477730.6	3619625	0.000344	9901	DieselExhP	3.04E-07	30YrCance	*	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1722	ALL	residential	478330.6	3620925	0.000344	9901	DieselExhP	3.04E-07	30YrCance	*	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1675	ALL	residential	478230.6	3620825	0.000342	9901	DieselExhP	3.03E-07	30YrCance	*	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1816	ALL	residential	478630.6	3621225	0.000342	9901	DieselExhP	3.03E-07	30YrCance	*	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1652	ALL	residential	478130.6	3620725	0.00034	9901	DieselExhP	3.00E-07	30YrCance	*	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1586	ALL	residential	478030.6	3620525	0.000337	9901	DieselExhP	2.98E-07	30YrCance	*	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1462	ALL	residential	477930.6	3620225	0.000334	9901	DieselExhP	2.96E-07	30YrCance	*	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1372	ALL	residential	477830.6	3620025	0.000331	9901	DieselExhP	2.93E-07	30YrCance	*	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1112	ALL	residential	477630.6	3619425	0.000329	9901	DieselExhP	2.91E-07	30YrCance	*	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1251	ALL	residential	477730.6	3619725	0.000328	9901	DieselExhP	2.90E-07	30YrCance	*	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1622	ALL	residential	478030.6	3620625	0.000327	9901	DieselExhP	2.89E-07	30YrCance	*	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1779	ALL	residential	478430.6	3621125	0.000326	9901	DieselExhP	2.89E-07	30YrCance	*	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1753	ALL	residential	478330.6	3621025	0.000326	9901	DieselExhP	2.89E-07	30YrCance	*	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1815	ALL	residential	478530.6	3621225	0.000326	9901	DieselExhP	2.89E-07	30YrCance	*	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1721	ALL	residential	478230.6	3620925	0.000324	9901	DieselExhP	2.86E-07	30YrCance	*	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
889	ALL	residential	477530.6	3619025	0.000323	9901	DieselExhP	2.86E-07	30YrCance	*	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1506	ALL	residential	477930.6	3620325	0.000321	9901	DieselExhP	2.84E-07	30YrCance	*	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1674	ALL	residential	478130.6	3620825	0.000319	9901	DieselExhP	2.83E-07	30YrCance	*	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
943	ALL	residential	477530.6	3619125	0.000319	9901	DieselExhP	2.82E-07	30YrCance	*	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1651	ALL	residential	478030.6	3620725	0.000315	9901	DieselExhP	2.78E-07	30YrCance	*	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1547	ALL	residential	477930.6	3620425	0.000314	9901	DieselExhP	2.78E-07	30YrCance	*	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
999	ALL	residential	477530.6	3619225	0.000313	9901	DieselExhP	2.77E-07	30YrCance	*	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1290	ALL	residential	477730.6	3619825	0.00031	9901	DieselExhP	2.74E-07	30YrCance	*	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1814	ALL	residential	478430.6	3621225	0.00031	9901	DieselExhP	2.74E-07	30YrCance	*	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1778	ALL	residential	478330.6	3621125	0.00031	9901	DieselExhP	2.74E-07	30YrCance	*	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1752	ALL	residential	478230.6	3621025	0.000308	9901	DieselExhP	2.72E-07	30YrCance	*	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1416	ALL	residential	477830.6	3620125	0.000307	9901	DieselExhP	2.72E-07	30YrCance	*	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1585	ALL	residential	477930.6	3620525	0.000307	9901	DieselExhP	2.71E-07	30YrCance	*	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1169	ALL	residential	477630.6	3619525	0.000306	9901	DieselExhP	2.71E-07	30YrCance	*	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1720	ALL	residential	478130.6	3620925	0.000304	9901	DieselExhP	2.69E-07	30YrCance	*	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1054	ALL	residential	477530.6	3619325	0.000302	9901	DieselExhP	2.67E-07	30YrCance	*	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1621	ALL	residential	477930.6	3620625	0.000299	9901	DieselExhP	2.65E-07	30YrCance	*	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1673	ALL	residential	478030.6	3620825	0.000298	9901	DieselExhP	2.64E-07	30YrCance	*	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1813	ALL	residential	478330.6	3621225	0.000294	9901	DieselExhP	2.60E-07	30YrCance	*	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1329	ALL	residential	477730.6	3619925	0.000294	9901	DieselExhP	2.60E-07	30YrCance	*	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1777	ALL	residential	478230.6	3621125	0.000292	9901	DieselExhP	2.59E-07	30YrCance	*	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1650	ALL	residential	477930.6	3620725	0.00029	9901	DieselExhP	2.56E-07	30YrCance	*	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1751	ALL	residential	478130.6	3621025	0.000289	9901	DieselExhP	2.56E-07	30YrCance	*	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1461	ALL	residential	477830.6	3620225	0.000289	9901	DieselExhP	2.55E-07	30YrCance	*	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1209	ALL	residential	477630.6	3619625	0.000287	9901	DieselExhP	2.54E-07	30YrCance	*	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
888	ALL	residential	477430.6	3619025	0.000284	9901	DieselExhP	2.51E-07	30YrCance	*	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1505	ALL	residential	477830.6	3620325	0.000284	9901	DieselExhP	2.51E-07	30YrCance	*	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1719	ALL	residential	478030.6	3620925	0.000283	9901	DieselExhP	2.51E-07	30YrCance	*	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1111	ALL	residential	477530.6	3619425	0.000283	9901	DieselExhP	2.50E-07	30YrCance	*	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1546	ALL	residential	477830.6	3620425	0.000282	9901	DieselExhP	2.49E-07	30YrCance	*	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
942	ALL	residential	477430.6	3619125	0.000281	9901	DieselExhP	2.48E-07	30YrCance	*	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1812	ALL	residential	478230.6	3621225	0.000279	9901	DieselExhP	2.47E-07	30YrCance	*	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1371	ALL	residential	477730.6	3620025	0.000277	9901	DieselExhP	2.45E-07	30YrCance	*	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1584	ALL	residential	477830.6	3620525	0.000277	9901	DieselExhP	2.45E-07	30YrCance	*	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1672	ALL	residential	477930.6	3620825	0.000276	9901	DieselExhP	2.44E-07	30YrCance	*	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1776	ALL	residential	478130.6	3621125	0.000275	9901	DieselExhP	2.43E-07	30YrCance	*	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
998	ALL	residential	477430.6	3619225	0.000275	9901	DieselExhP	2.43E-07	30YrCance	*	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1750	ALL	residential	478030.6	3621025	0.000272	9901	DieselExhP	2.40E-07	30YrCance	*	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1620	ALL	residential	477830.6	3620625	0.000271	9901	DieselExhP	2.40E-07	30YrCance	*	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1250	ALL	residential	477630.6	3619725	0.000269	9901	DieselExhP	2.38E-07	30YrCance	*	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1718	ALL	residential	477930.6	3620925	0.000264	9901	DieselExhP	2.34E-07	30YrCance	*	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1168	ALL	residential	477530.6	3619525	0.000264	9901	DieselExhP	2.34E-07	30YrCance	*	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1649	ALL	residential	477830.6	3620725	0.000264	9901	DieselExhP	2.34E-07	30YrCance	*	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1811	ALL	residential	478130.6	3621225	0.000263	9901	DieselExhP	2.33E-07	30YrCance	*	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1415	ALL	residential	477730.6	3620125	0.000262	9901	DieselExhP	2.32E-07	30YrCance	*	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1053	ALL	residential	477430.6	3619325	0.00026	9901	DieselExhP	2.30E-07	30YrCance	*	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1545	ALL	residential	477730.6	3620425	0.00026	9901	DieselExhP	2.30E-07	30YrCance	*	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1504	ALL	residential	477730.6	3620325	0.000259	9901	DieselExhP	2.29E-07	30YrCance	*	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1460	ALL	residential	477730.6	3620225	0.000259	9901	DieselExhP	2.29E-07	30YrCance	*	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1775	ALL	residential	478030.6	3621125	0.000257	9901	DieselExhP	2.28E-07	30YrCance	*	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1671	ALL	residential	477830.6	3620825	0.000257	9901	DieselExhP	2.27E-07	30YrCance	*	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1289	ALL	residential	477630.6	3619825	0.000256	9901	DieselExhP	2.26E-07	30YrCance	*	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1583	ALL	residential	477730.6	3620525	0.000252	9901	DieselExhP	2.23E-07	30YrCance	*	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1749	ALL	residential	477930.6	3621025	0.000251	9901	DieselExhP	2.22E-07	30YrCance	*	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1328	ALL	residential	477630.6	3619925	0.000251	9901	DieselExhP	2.22E-07	30YrCance	*	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1370	ALL	residential	477630.6	3620025	0.00025	9901	DieselExhP	2.21E-07	30YrCance	*	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
887	ALL	residential	477330.6	3619025	0.000248	9901	DieselExhP	2.20E-07	30YrCance	*	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1717	ALL	residential	477830.6	3620925	0.000248	9901	DieselExhP	2.19E-07	30YrCance	*	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1414	ALL	residential	477630.6	3620125	0.000248	9901	DieselExhP	2.19E-07	30YrCance	*	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1208	ALL	residential	477530.6	3619625	0.000247	9901	DieselExhP	2.19E-07	30YrCance	*	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1619	ALL	residential	477730.6	3620625	0.000247	9901	DieselExhP	2.19E-07	30YrCance	*	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1810	ALL	residential	478030.6	3621225	0.000246	9901	DieselExhP	2.18E-07	30YrCance	*	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1459	ALL	residential	477630.6	3620225	0.000245	9901	DieselExhP	2.17E-07	30YrCance	*	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
941	ALL	residential	477330.6	3619125	0.000245	9901	DieselExhP	2.17E-07	30YrCance	*	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1648	ALL	residential	477730.6	3620725	0.000244	9901	DieselExhP	2.16E-07	30YrCance	*	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1110	ALL	residential	477430.6	3619425	0.000244	9901	DieselExhP	2.16E-07	30YrCance	*	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1503	ALL	residential	477630.6	3620325	0.000243	9901	DieselExhP	2.15E-07	30YrCance	*	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1544	ALL	residential	477630.6	3620425	0.000241	9901	DieselExhP	2.13E-07	30YrCance	*	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1670	ALL	residential	477730.6	3620825	0.000239	9901	DieselExhP	2.12E-07	30YrCance	*	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1748	ALL	residential	477830.6	3621025	0.000239	9901	DieselExhP	2.11E-07	30YrCance	*	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
997	ALL	residential	477330.6	3619225	0.000238	9901	DieselExhP	2.11E-07	30YrCance	*	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1774	ALL	residential	477930.6	3621125	0.000238	9901	DieselExhP	2.10E-07	30YrCance	*	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1582	ALL	residential	477630.6	3620525	0.000238	9901	DieselExhP	2.10E-07	30YrCance	*	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1249	ALL	residential	477530.6	3619725	0.000237	9901	DieselExhP	2.09E-07	30YrCance	*	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1288	ALL	residential	477530.6	3619825	0.000236	9901	DieselExhP	2.09E-07	30YrCance	*	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1716	ALL	residential	477730.6	3620925	0.000235	9901	DieselExhP	2.08E-07	30YrCance	*	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1369	ALL	residential	477530.6	3620025	0.000235	9901	DieselExhP	2.08E-07	30YrCance	*	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1327	ALL	residential	477530.6	3619925	0.000235	9901	DieselExhP	2.07E-07	30YrCance	*	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1413	ALL	residential	477530.6	3620125	0.000235	9901	DieselExhP	2.07E-07	30YrCance	*	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1618	ALL	residential	477630.6	3620625	0.000234	9901	DieselExhP	2.07E-07	30YrCance	*	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1458	ALL	residential	477530.6	3620225	0.000233	9901	DieselExhP	2.06E-07	30YrCance	*	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1647	ALL	residential	477630.6	3620725	0.000231	9901	DieselExhP	2.04E-07	30YrCance	*	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1502	ALL	residential	477530.6	3620325	0.000231	9901	DieselExhP	2.04E-07	30YrCance	*	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1167	ALL	residential	477430.6	3619525	0.00023	9901	DieselExhP	2.04E-07	30YrCance	*	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1809	ALL	residential	477930.6	3621225	0.00023	9901	DieselExhP	2.03E-07	30YrCance	*	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1747	ALL	residential	477730.6	3621025	0.000229	9901	DieselExhP	2.02E-07	30YrCance	*	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1543	ALL	residential	477530.6	3620425	0.000229	9901	DieselExhP	2.02E-07	30YrCance	*	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1773	ALL	residential	477830.6	3621125	0.000228	9901	DieselExhP	2.02E-07	30YrCance	*	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1669	ALL	residential	477630.6	3620825	0.000227	9901	DieselExhP	2.00E-07	30YrCance	*	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1581	ALL	residential	477530.6	3620525	0.000226	9901	DieselExhP	2.00E-07	30YrCance	*	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1052	ALL	residential	477330.6	3619325	0.000226	9901	DieselExhP	1.99E-07	30YrCance	*	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1207	ALL	residential	477430.6	3619625	0.000224	9901	DieselExhP	1.98E-07	30YrCance	*	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1617	ALL	residential	477530.6	3620625	0.000224	9901	DieselExhP	1.98E-07	30YrCance	*	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1715	ALL	residential	477630.6	3620925	0.000222	9901	DieselExhP	1.96E-07	30YrCance	*	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1326	ALL	residential	477430.6	3619925	0.000221	9901	DieselExhP	1.96E-07	30YrCance	*	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1412	ALL	residential	477430.6	3620125	0.000221	9901	DieselExhP	1.96E-07	30YrCance	*	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1368	ALL	residential	477430.6	3620025	0.000221	9901	DieselExhP	1.96E-07	30YrCance	*	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1457	ALL	residential	477430.6	3620225	0.000221	9901	DieselExhP	1.96E-07	30YrCance	*	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1248	ALL	residential	477430.6	3619725	0.000221	9901	DieselExhP	1.96E-07	30YrCance	*	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1646	ALL	residential	477530.6	3620725	0.000221	9901	DieselExhP	1.95E-07	30YrCance	*	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1287	ALL	residential	477430.6	3619825	0.000221	9901	DieselExhP	1.95E-07	30YrCance	*	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1501	ALL	residential	477430.6	3620325	0.00022	9901	DieselExhP	1.94E-07	30YrCance	*	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1109	ALL	residential	477330.6	3619425	0.000218	9901	DieselExhP	1.93E-07	30YrCance	*	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1542	ALL	residential	477430.6	3620425	0.000218	9901	DieselExhP	1.93E-07	30YrCance	*	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
940	ALL	residential	477230.6	3619125	0.000218	9901	DieselExhP	1.93E-07	30YrCance	*	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1668	ALL	residential	477530.6	3620825	0.000217	9901	DieselExhP	1.92E-07	30YrCance	*	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
886	ALL	residential	477230.6	3619025	0.000217	9901	DieselExhP	1.92E-07	30YrCance	*	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1580	ALL	residential	477430.6	3620525	0.000216	9901	DieselExhP	1.91E-07	30YrCance	*	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
996	ALL	residential	477230.6	3619225	0.000215	9901	DieselExhP	1.90E-07	30YrCance	*	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1166	ALL	residential	477330.6	3619525	0.000214	9901	DieselExhP	1.90E-07	30YrCance	*	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1616	ALL	residential	477430.6	3620625	0.000214	9901	DieselExhP	1.89E-07	30YrCance	*	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1714	ALL	residential	477530.6	3620925	0.000213	9901	DieselExhP	1.89E-07	30YrCance	*	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1645	ALL	residential	477430.6	3620725	0.000212	9901	DieselExhP	1.87E-07	30YrCance	*	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1206	ALL	residential	477330.6	3619625	0.000211	9901	DieselExhP	1.86E-07	30YrCance	*	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1051	ALL	residential	477230.6	3619325	0.00021	9901	DieselExhP	1.86E-07	30YrCance	*	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1456	ALL	residential	477330.6	3620225	0.00021	9901	DieselExhP	1.86E-07	30YrCance	*	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1411	ALL	residential	477330.6	3620125	0.00021	9901	DieselExhP	1.86E-07	30YrCance	*	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1367	ALL	residential	477330.6	3620025	0.00021	9901	DieselExhP	1.85E-07	30YrCance	*	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1325	ALL	residential	477330.6	3619925	0.00021	9901	DieselExhP	1.85E-07	30YrCance	*	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1286	ALL	residential	477330.6	3619825	0.000209	9901	DieselExhP	1.85E-07	30YrCance	*	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1247	ALL	residential	477330.6	3619725	0.000209	9901	DieselExhP	1.85E-07	30YrCance	*	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1500	ALL	residential	477330.6	3620325	0.000209	9901	DieselExhP	1.85E-07	30YrCance	*	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1667	ALL	residential	477430.6	3620825	0.000209	9901	DieselExhP	1.85E-07	30YrCance	*	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1541	ALL	residential	477330.6	3620425	0.000207	9901	DieselExhP	1.83E-07	30YrCance	*	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1579	ALL	residential	477330.6	3620525	0.000206	9901	DieselExhP	1.82E-07	30YrCance	*	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1108	ALL	residential	477230.6	3619425	0.000205	9901	DieselExhP	1.81E-07	30YrCance	*	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1615	ALL	residential	477330.6	3620625	0.000205	9901	DieselExhP	1.81E-07	30YrCance	*	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
939	ALL	residential	477130.6	3619125	0.000203	9901	DieselExhP	1.80E-07	30YrCance	*	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1644	ALL	residential	477330.6	3620725	0.000203	9901	DieselExhP	1.80E-07	30YrCance	*	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
885	ALL	residential	477130.6	3619025	0.000202	9901	DieselExhP	1.79E-07	30YrCance	*	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
995	ALL	residential	477130.6	3619225	0.000202	9901	DieselExhP	1.78E-07	30YrCance	*	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1165	ALL	residential	477230.6	3619525	0.000201	9901	DieselExhP	1.78E-07	30YrCance	*	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1205	ALL	residential	477230.6	3619625	0.000199	9901	DieselExhP	1.76E-07	30YrCance	*	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1050	ALL	residential	477130.6	3619325	0.000199	9901	DieselExhP	1.76E-07	30YrCance	*	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1455	ALL	residential	477230.6	3620225	0.000198	9901	DieselExhP	1.75E-07	30YrCance	*	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1499	ALL	residential	477230.6	3620325	0.000198	9901	DieselExhP	1.75E-07	30YrCance	*	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1410	ALL	residential	477230.6	3620125	0.000198	9901	DieselExhP	1.75E-07	30YrCance	*	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1366	ALL	residential	477230.6	3620025	0.000197	9901	DieselExhP	1.75E-07	30YrCance	*	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1324	ALL	residential	477230.6	3619925	0.000197	9901	DieselExhP	1.74E-07	30YrCance	*	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1285	ALL	residential	477230.6	3619825	0.000197	9901	DieselExhP	1.74E-07	30YrCance	*	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1540	ALL	residential	477230.6	3620425	0.000197	9901	DieselExhP	1.74E-07	30YrCance	*	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1246	ALL	residential	477230.6	3619725	0.000197	9901	DieselExhP	1.74E-07	30YrCance	*	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1578	ALL	residential	477230.6	3620525	0.000195	9901	DieselExhP	1.73E-07	30YrCance	*	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1614	ALL	residential	477230.6	3620625	0.000194	9901	DieselExhP	1.72E-07	30YrCance	*	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1107	ALL	residential	477130.6	3619425	0.000193	9901	DieselExhP	1.71E-07	30YrCance	*	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
938	ALL	residential	477030.6	3619125	0.000192	9901	DieselExhP	1.70E-07	30YrCance	*	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
884	ALL	residential	477030.6	3619025	0.000192	9901	DieselExhP	1.70E-07	30YrCance	*	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
994	ALL	residential	477030.6	3619225	0.000191	9901	DieselExhP	1.69E-07	30YrCance	*	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1164	ALL	residential	477130.6	3619525	0.00019	9901	DieselExhP	1.68E-07	30YrCance	*	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1409	ALL	residential	477130.6	3620125	0.000188	9901	DieselExhP	1.66E-07	30YrCance	*	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI!	WATER_RI!	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS!	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1454	ALL	residential	477130.6	3620225	0.000188	9901	DieselExhP	1.66E-07	30YrCance	*	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1204	ALL	residential	477130.6	3619625	0.000188	9901	DieselExhP	1.66E-07	30YrCance	*	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1049	ALL	residential	477030.6	3619325	0.000188	9901	DieselExhP	1.66E-07	30YrCance	*	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1498	ALL	residential	477130.6	3620325	0.000187	9901	DieselExhP	1.66E-07	30YrCance	*	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1365	ALL	residential	477130.6	3620025	0.000187	9901	DieselExhP	1.65E-07	30YrCance	*	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1245	ALL	residential	477130.6	3619725	0.000187	9901	DieselExhP	1.65E-07	30YrCance	*	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1539	ALL	residential	477130.6	3620425	0.000187	9901	DieselExhP	1.65E-07	30YrCance	*	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1323	ALL	residential	477130.6	3619925	0.000186	9901	DieselExhP	1.64E-07	30YrCance	*	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1577	ALL	residential	477130.6	3620525	0.000186	9901	DieselExhP	1.64E-07	30YrCance	*	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1284	ALL	residential	477130.6	3619825	0.000185	9901	DieselExhP	1.64E-07	30YrCance	*	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1106	ALL	residential	477030.6	3619425	0.000182	9901	DieselExhP	1.61E-07	30YrCance	*	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
993	ALL	residential	476930.6	3619225	0.00018	9901	DieselExhP	1.59E-07	30YrCance	*	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1163	ALL	residential	477030.6	3619525	0.000179	9901	DieselExhP	1.58E-07	30YrCance	*	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1408	ALL	residential	477030.6	3620125	0.000178	9901	DieselExhP	1.57E-07	30YrCance	*	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1364	ALL	residential	477030.6	3620025	0.000178	9901	DieselExhP	1.57E-07	30YrCance	*	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1453	ALL	residential	477030.6	3620225	0.000178	9901	DieselExhP	1.57E-07	30YrCance	*	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1497	ALL	residential	477030.6	3620325	0.000178	9901	DieselExhP	1.57E-07	30YrCance	*	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1322	ALL	residential	477030.6	3619925	0.000178	9901	DieselExhP	1.57E-07	30YrCance	*	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1203	ALL	residential	477030.6	3619625	0.000178	9901	DieselExhP	1.57E-07	30YrCance	*	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1538	ALL	residential	477030.6	3620425	0.000177	9901	DieselExhP	1.57E-07	30YrCance	*	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1283	ALL	residential	477030.6	3619825	0.000177	9901	DieselExhP	1.57E-07	30YrCance	*	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1244	ALL	residential	477030.6	3619725	0.000177	9901	DieselExhP	1.57E-07	30YrCance	*	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1048	ALL	residential	476930.6	3619325	0.000176	9901	DieselExhP	1.56E-07	30YrCance	*	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1105	ALL	residential	476930.6	3619425	0.000173	9901	DieselExhP	1.53E-07	30YrCance	*	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1162	ALL	residential	476930.6	3619525	0.00017	9901	DieselExhP	1.50E-07	30YrCance	*	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
992	ALL	residential	476830.6	3619225	0.00017	9901	DieselExhP	1.50E-07	30YrCance	*	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1496	ALL	residential	476930.6	3620325	0.00017	9901	DieselExhP	1.50E-07	30YrCance	*	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1452	ALL	residential	476930.6	3620225	0.000169	9901	DieselExhP	1.50E-07	30YrCance	*	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1537	ALL	residential	476930.6	3620425	0.000169	9901	DieselExhP	1.49E-07	30YrCance	*	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1407	ALL	residential	476930.6	3620125	0.000169	9901	DieselExhP	1.49E-07	30YrCance	*	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1363	ALL	residential	476930.6	3620025	0.000169	9901	DieselExhP	1.49E-07	30YrCance	*	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1321	ALL	residential	476930.6	3619925	0.000168	9901	DieselExhP	1.49E-07	30YrCance	*	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1202	ALL	residential	476930.6	3619625	0.000168	9901	DieselExhP	1.49E-07	30YrCance	*	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1282	ALL	residential	476930.6	3619825	0.000168	9901	DieselExhP	1.48E-07	30YrCance	*	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1243	ALL	residential	476930.6	3619725	0.000168	9901	DieselExhP	1.48E-07	30YrCance	*	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1047	ALL	residential	476830.6	3619325	0.000167	9901	DieselExhP	1.48E-07	30YrCance	*	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1104	ALL	residential	476830.6	3619425	0.000163	9901	DieselExhP	1.44E-07	30YrCance	*	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1495	ALL	residential	476830.6	3620325	0.000162	9901	DieselExhP	1.43E-07	30YrCance	*	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1451	ALL	residential	476830.6	3620225	0.000162	9901	DieselExhP	1.43E-07	30YrCance	*	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1161	ALL	residential	476830.6	3619525	0.000161	9901	DieselExhP	1.43E-07	30YrCance	*	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
991	ALL	residential	476730.6	3619225	0.000161	9901	DieselExhP	1.43E-07	30YrCance	*	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1406	ALL	residential	476830.6	3620125	0.000161	9901	DieselExhP	1.42E-07	30YrCance	*	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1201	ALL	residential	476830.6	3619625	0.00016	9901	DieselExhP	1.42E-07	30YrCance	*	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1362	ALL	residential	476830.6	3620025	0.00016	9901	DieselExhP	1.42E-07	30YrCance	*	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1320	ALL	residential	476830.6	3619925	0.00016	9901	DieselExhP	1.41E-07	30YrCance	*	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1281	ALL	residential	476830.6	3619825	0.00016	9901	DieselExhP	1.41E-07	30YrCance	*	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1242	ALL	residential	476830.6	3619725	0.00016	9901	DieselExhP	1.41E-07	30YrCance	*	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1046	ALL	residential	476730.6	3619325	0.000159	9901	DieselExhP	1.41E-07	30YrCance	*	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1450	ALL	residential	476730.6	3620225	0.000158	9901	DieselExhP	1.39E-07	30YrCance	*	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1405	ALL	residential	476730.6	3620125	0.000156	9901	DieselExhP	1.38E-07	30YrCance	*	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1103	ALL	residential	476730.6	3619425	0.000156	9901	DieselExhP	1.38E-07	30YrCance	*	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1361	ALL	residential	476730.6	3620025	0.000156	9901	DieselExhP	1.38E-07	30YrCance	*	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1319	ALL	residential	476730.6	3619925	0.000156	9901	DieselExhP	1.38E-07	30YrCance	*	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1160	ALL	residential	476730.6	3619525	0.000154	9901	DieselExhP	1.36E-07	30YrCance	*	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1280	ALL	residential	476730.6	3619825	0.000154	9901	DieselExhP	1.36E-07	30YrCance	*	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1241	ALL	residential	476730.6	3619725	0.000154	9901	DieselExhP	1.36E-07	30YrCance	*	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1200	ALL	residential	476730.6	3619625	0.000153	9901	DieselExhP	1.35E-07	30YrCance	*	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:58:20 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Rec15YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
134	ALL	recreation	485905.3	3617589	0.015337	9901	DieselExhP	9.40E-07	15YrCance	*	9.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
131	ALL	recreation	485958.4	3617628	0.011131	9901	DieselExhP	6.82E-07	15YrCance	*	6.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
133	ALL	recreation	485836.6	3617642	0.009276	9901	DieselExhP	5.69E-07	15YrCance	*	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
132	ALL	recreation	485934.2	3617687	0.00766	9901	DieselExhP	4.70E-07	15YrCance	*	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
136	ALL	recreation	486000.5	3617683	0.007269	9901	DieselExhP	4.46E-07	15YrCance	*	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
130	ALL	recreation	485877.4	3617694	0.006829	9901	DieselExhP	4.19E-07	15YrCance	*	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
135	ALL	recreation	485955.6	3617717	0.006372	9901	DieselExhP	3.91E-07	15YrCance	*	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
129	ALL	recreation	485919.6	3617746	0.005869	9901	DieselExhP	3.60E-07	15YrCance	*	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
665	ALL	recreation	484630.6	3618425	0.002707	9901	DieselExhP	1.66E-07	15YrCance	*	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
732	ALL	recreation	484329.5	3618645	0.002674	9901	DieselExhP	1.64E-07	15YrCance	*	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
769	ALL	recreation	484230.6	3618725	0.002634	9901	DieselExhP	1.62E-07	15YrCance	*	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
698	ALL	recreation	484530.6	3618525	0.002581	9901	DieselExhP	1.58E-07	15YrCance	*	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
733	ALL	recreation	484433.8	3618609	0.002518	9901	DieselExhP	1.54E-07	15YrCance	*	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
806	ALL	recreation	484130.6	3618825	0.002515	9901	DieselExhP	1.54E-07	15YrCance	*	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
666	ALL	recreation	484730.6	3618425	0.002456	9901	DieselExhP	1.51E-07	15YrCance	*	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
845	ALL	recreation	484030.6	3618925	0.002404	9901	DieselExhP	1.47E-07	15YrCance	*	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
770	ALL	recreation	484330.6	3618725	0.002361	9901	DieselExhP	1.45E-07	15YrCance	*	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
699	ALL	recreation	484630.6	3618525	0.002347	9901	DieselExhP	1.44E-07	15YrCance	*	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
895	ALL	recreation	483930.6	3619025	0.002295	9901	DieselExhP	1.41E-07	15YrCance	*	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1061	ALL	recreation	483530.6	3619325	0.002227	9901	DieselExhP	1.37E-07	15YrCance	*	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
948	ALL	recreation	483830.6	3619125	0.002195	9901	DieselExhP	1.35E-07	15YrCance	*	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
846	ALL	recreation	484130.6	3618925	0.002172	9901	DieselExhP	1.33E-07	15YrCance	*	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
667	ALL	recreation	485030.6	3618425	0.002119	9901	DieselExhP	1.30E-07	15YrCance	*	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
734	ALL	recreation	484630.6	3618625	0.002085	9901	DieselExhP	1.28E-07	15YrCance	*	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
896	ALL	recreation	484030.6	3619025	0.002073	9901	DieselExhP	1.27E-07	15YrCance	*	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
702	ALL	recreation	485130.6	3618525	0.002052	9901	DieselExhP	1.26E-07	15YrCance	*	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
668	ALL	recreation	484950.3	3618481	0.00205	9901	DieselExhP	1.26E-07	15YrCance	*	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
701	ALL	recreation	485030.6	3618525	0.001987	9901	DieselExhP	1.22E-07	15YrCance	*	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
700	ALL	recreation	484930.6	3618525	0.001987	9901	DieselExhP	1.22E-07	15YrCance	*	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
949	ALL	recreation	483930.6	3619125	0.001987	9901	DieselExhP	1.22E-07	15YrCance	*	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
735	ALL	recreation	484730.6	3618625	0.001965	9901	DieselExhP	1.20E-07	15YrCance	*	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1117	ALL	recreation	483530.6	3619425	0.00191	9901	DieselExhP	1.17E-07	15YrCance	*	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
897	ALL	recreation	484130.6	3619025	0.001905	9901	DieselExhP	1.17E-07	15YrCance	*	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1004	ALL	recreation	483830.6	3619225	0.001904	9901	DieselExhP	1.17E-07	15YrCance	*	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
771	ALL	recreation	484630.6	3618725	0.001885	9901	DieselExhP	1.16E-07	15YrCance	*	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
736	ALL	recreation	484830.6	3618625	0.001884	9901	DieselExhP	1.15E-07	15YrCance	*	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
738	ALL	recreation	485030.6	3618625	0.001867	9901	DieselExhP	1.14E-07	15YrCance	*	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
737	ALL	recreation	484930.6	3618625	0.001855	9901	DieselExhP	1.14E-07	15YrCance	*	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
950	ALL	recreation	484030.6	3619125	0.001829	9901	DieselExhP	1.12E-07	15YrCance	*	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
807	ALL	recreation	484530.6	3618825	0.001802	9901	DieselExhP	1.10E-07	15YrCance	*	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
772	ALL	recreation	484730.6	3618725	0.001796	9901	DieselExhP	1.10E-07	15YrCance	*	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
898	ALL	recreation	484230.6	3619025	0.001771	9901	DieselExhP	1.09E-07	15YrCance	*	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1005	ALL	recreation	483930.6	3619225	0.001755	9901	DieselExhP	1.08E-07	15YrCance	*	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
773	ALL	recreation	484830.6	3618725	0.001752	9901	DieselExhP	1.07E-07	15YrCance	*	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1118	ALL	recreation	483630.6	3619425	0.001739	9901	DieselExhP	1.07E-07	15YrCance	*	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
774	ALL	recreation	484930.6	3618725	0.001731	9901	DieselExhP	1.06E-07	15YrCance	*	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
847	ALL	recreation	484430.6	3618925	0.001731	9901	DieselExhP	1.06E-07	15YrCance	*	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
808	ALL	recreation	484630.6	3618825	0.001718	9901	DieselExhP	1.05E-07	15YrCance	*	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
951	ALL	recreation	484130.6	3619125	0.001703	9901	DieselExhP	1.04E-07	15YrCance	*	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1062	ALL	recreation	483830.6	3619325	0.001682	9901	DieselExhP	1.03E-07	15YrCance	*	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
899	ALL	recreation	484330.6	3619025	0.001665	9901	DieselExhP	1.02E-07	15YrCance	*	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
809	ALL	recreation	484730.6	3618825	0.001661	9901	DieselExhP	1.02E-07	15YrCance	*	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
848	ALL	recreation	484530.6	3618925	0.001647	9901	DieselExhP	1.01E-07	15YrCance	*	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1006	ALL	recreation	484030.6	3619225	0.001627	9901	DieselExhP	9.98E-08	15YrCance	*	9.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1119	ALL	recreation	483730.6	3619425	0.001608	9901	DieselExhP	9.86E-08	15YrCance	*	9.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
952	ALL	recreation	484230.6	3619125	0.001587	9901	DieselExhP	9.73E-08	15YrCance	*	9.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
849	ALL	recreation	484630.6	3618925	0.001584	9901	DieselExhP	9.71E-08	15YrCance	*	9.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
900	ALL	recreation	484430.6	3619025	0.001574	9901	DieselExhP	9.65E-08	15YrCance	*	9.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1063	ALL	recreation	483930.6	3619325	0.001564	9901	DieselExhP	9.59E-08	15YrCance	*	9.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1007	ALL	recreation	484130.6	3619225	0.001512	9901	DieselExhP	9.27E-08	15YrCance	*	9.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
953	ALL	recreation	484330.6	3619125	0.001502	9901	DieselExhP	9.21E-08	15YrCance	*	9.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1120	ALL	recreation	483830.6	3619425	0.001485	9901	DieselExhP	9.10E-08	15YrCance	*	9.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:58:20 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Rec15YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
291	ALL	recreation	484630.6	3617325	0.001458	9901	DieselExhP	8.94E-08	15YrCance	*	8.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
314	ALL	recreation	484430.6	3617425	0.001415	9901	DieselExhP	8.67E-08	15YrCance	*	8.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1121	ALL	recreation	483930.6	3619425	0.001393	9901	DieselExhP	8.54E-08	15YrCance	*	8.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
290	ALL	recreation	484530.6	3617325	0.001389	9901	DieselExhP	8.52E-08	15YrCance	*	8.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
272	ALL	recreation	484630.6	3617225	0.00137	9901	DieselExhP	8.40E-08	15YrCance	*	8.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
313	ALL	recreation	484330.6	3617425	0.001354	9901	DieselExhP	8.30E-08	15YrCance	*	8.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1175	ALL	recreation	483830.6	3619525	0.001336	9901	DieselExhP	8.19E-08	15YrCance	*	8.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
289	ALL	recreation	484430.6	3617325	0.001328	9901	DieselExhP	8.14E-08	15YrCance	*	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
271	ALL	recreation	484530.6	3617225	0.001308	9901	DieselExhP	8.02E-08	15YrCance	*	8.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
288	ALL	recreation	484330.6	3617325	0.001277	9901	DieselExhP	7.83E-08	15YrCance	*	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
270	ALL	recreation	484430.6	3617225	0.001257	9901	DieselExhP	7.71E-08	15YrCance	*	7.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
258	ALL	recreation	484530.6	3617125	0.001249	9901	DieselExhP	7.66E-08	15YrCance	*	7.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1176	ALL	recreation	483930.6	3619525	0.001248	9901	DieselExhP	7.65E-08	15YrCance	*	7.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1216	ALL	recreation	483830.6	3619625	0.001222	9901	DieselExhP	7.49E-08	15YrCance	*	7.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
223	ALL	recreation	484630.6	3616825	0.001222	9901	DieselExhP	7.49E-08	15YrCance	*	7.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
269	ALL	recreation	484330.6	3617225	0.001212	9901	DieselExhP	7.43E-08	15YrCance	*	7.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
244	ALL	recreation	484530.6	3617025	0.001206	9901	DieselExhP	7.40E-08	15YrCance	*	7.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
257	ALL	recreation	484430.6	3617125	0.001201	9901	DieselExhP	7.36E-08	15YrCance	*	7.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
232	ALL	recreation	484530.6	3616925	0.001178	9901	DieselExhP	7.22E-08	15YrCance	*	7.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
268	ALL	recreation	484230.6	3617225	0.001173	9901	DieselExhP	7.19E-08	15YrCance	*	7.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
256	ALL	recreation	484330.6	3617125	0.001159	9901	DieselExhP	7.11E-08	15YrCance	*	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
243	ALL	recreation	484430.6	3617025	0.001159	9901	DieselExhP	7.10E-08	15YrCance	*	7.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
222	ALL	recreation	484530.6	3616825	0.001158	9901	DieselExhP	7.10E-08	15YrCance	*	7.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1217	ALL	recreation	483930.6	3619625	0.001138	9901	DieselExhP	6.98E-08	15YrCance	*	6.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
231	ALL	recreation	484430.6	3616925	0.001128	9901	DieselExhP	6.91E-08	15YrCance	*	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
255	ALL	recreation	484230.6	3617125	0.001123	9901	DieselExhP	6.88E-08	15YrCance	*	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
242	ALL	recreation	484330.6	3617025	0.001119	9901	DieselExhP	6.86E-08	15YrCance	*	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1257	ALL	recreation	483830.6	3619725	0.001114	9901	DieselExhP	6.83E-08	15YrCance	*	6.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1256	ALL	recreation	479030.6	3619725	0.00109	9901	DieselExhP	6.68E-08	15YrCance	*	6.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1295	ALL	recreation	479130.6	3619825	0.001088	9901	DieselExhP	6.67E-08	15YrCance	*	6.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1334	ALL	recreation	479230.6	3619925	0.00108	9901	DieselExhP	6.62E-08	15YrCance	*	6.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1060	ALL	recreation	478630.6	3619325	0.001068	9901	DieselExhP	6.54E-08	15YrCance	*	6.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1335	ALL	recreation	483530.6	3619925	0.001055	9901	DieselExhP	6.47E-08	15YrCance	*	6.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1258	ALL	recreation	483930.6	3619725	0.001043	9901	DieselExhP	6.39E-08	15YrCance	*	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1296	ALL	recreation	483830.6	3619825	0.001022	9901	DieselExhP	6.26E-08	15YrCance	*	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1336	ALL	recreation	483630.6	3619925	0.001013	9901	DieselExhP	6.21E-08	15YrCance	*	6.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1255	ALL	recreation	478930.6	3619725	0.000998	9901	DieselExhP	6.12E-08	15YrCance	*	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1294	ALL	recreation	479030.6	3619825	0.000998	9901	DieselExhP	6.12E-08	15YrCance	*	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1215	ALL	recreation	478830.6	3619625	0.000995	9901	DieselExhP	6.10E-08	15YrCance	*	6.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1333	ALL	recreation	479130.6	3619925	0.000995	9901	DieselExhP	6.10E-08	15YrCance	*	6.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1174	ALL	recreation	478730.6	3619525	0.000989	9901	DieselExhP	6.07E-08	15YrCance	*	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1378	ALL	recreation	479230.6	3620025	0.000986	9901	DieselExhP	6.05E-08	15YrCance	*	6.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1116	ALL	recreation	478630.6	3619425	0.000978	9901	DieselExhP	6.00E-08	15YrCance	*	6.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1427	ALL	recreation	479330.6	3620125	0.000976	9901	DieselExhP	5.98E-08	15YrCance	*	5.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1337	ALL	recreation	483730.6	3619925	0.000975	9901	DieselExhP	5.98E-08	15YrCance	*	5.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1297	ALL	recreation	483930.6	3619825	0.000963	9901	DieselExhP	5.91E-08	15YrCance	*	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1059	ALL	recreation	478530.6	3619325	0.000963	9901	DieselExhP	5.90E-08	15YrCance	*	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1379	ALL	recreation	483530.6	3620025	0.000962	9901	DieselExhP	5.90E-08	15YrCance	*	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1338	ALL	recreation	483830.6	3619925	0.000944	9901	DieselExhP	5.79E-08	15YrCance	*	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1003	ALL	recreation	478430.6	3619225	0.000934	9901	DieselExhP	5.73E-08	15YrCance	*	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1293	ALL	recreation	478930.6	3619825	0.000931	9901	DieselExhP	5.71E-08	15YrCance	*	5.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1380	ALL	recreation	483630.6	3620025	0.00093	9901	DieselExhP	5.70E-08	15YrCance	*	5.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1332	ALL	recreation	479030.6	3619925	0.000928	9901	DieselExhP	5.69E-08	15YrCance	*	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1254	ALL	recreation	478830.6	3619725	0.000928	9901	DieselExhP	5.69E-08	15YrCance	*	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1377	ALL	recreation	479130.6	3620025	0.000928	9901	DieselExhP	5.69E-08	15YrCance	*	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1214	ALL	recreation	478730.6	3619625	0.000922	9901	DieselExhP	5.65E-08	15YrCance	*	5.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1426	ALL	recreation	479230.6	3620125	0.000919	9901	DieselExhP	5.63E-08	15YrCance	*	5.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1173	ALL	recreation	478630.6	3619525	0.000912	9901	DieselExhP	5.59E-08	15YrCance	*	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1472	ALL	recreation	479330.6	3620225	0.000905	9901	DieselExhP	5.55E-08	15YrCance	*	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1381	ALL	recreation	483730.6	3620025	0.0009	9901	DieselExhP	5.52E-08	15YrCance	*	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1339	ALL	recreation	483930.6	3619925	0.000898	9901	DieselExhP	5.51E-08	15YrCance	*	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1115	ALL	recreation	478530.6	3619425	0.000896	9901	DieselExhP	5.49E-08	15YrCance	*	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:58:20 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Rec15YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI!	WATER_RI!	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS!	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
947	ALL	recreation:	478330.6	3619125	0.000888	9901	DieselExhP	5.45E-08	15YrCance	*	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1382	ALL	recreation:	483830.6	3620025	0.000878	9901	DieselExhP	5.38E-08	15YrCance	*	5.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1376	ALL	recreation:	479030.6	3620025	0.00087	9901	DieselExhP	5.33E-08	15YrCance	*	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1058	ALL	recreation:	478430.6	3619325	0.00087	9901	DieselExhP	5.33E-08	15YrCance	*	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1491	ALL	recreation:	485630.6	3620225	0.000864	9901	DieselExhP	5.30E-08	15YrCance	*	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1490	ALL	recreation:	485530.6	3620225	0.000859	9901	DieselExhP	5.27E-08	15YrCance	*	5.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1492	ALL	recreation:	485730.6	3620225	0.000858	9901	DieselExhP	5.26E-08	15YrCance	*	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1383	ALL	recreation:	483930.6	3620025	0.000848	9901	DieselExhP	5.20E-08	15YrCance	*	5.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1493	ALL	recreation:	485830.6	3620225	0.000846	9901	DieselExhP	5.19E-08	15YrCance	*	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1659	ALL	recreation:	482330.6	3620725	0.000841	9901	DieselExhP	5.16E-08	15YrCance	*	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1494	ALL	recreation:	485930.6	3620225	0.000833	9901	DieselExhP	5.10E-08	15YrCance	*	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1002	ALL	recreation:	478330.6	3619225	0.000831	9901	DieselExhP	5.09E-08	15YrCance	*	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
894	ALL	recreation:	478230.6	3619025	0.000831	9901	DieselExhP	5.09E-08	15YrCance	*	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1702	ALL	recreation:	481830.6	3620825	0.00083	9901	DieselExhP	5.09E-08	15YrCance	*	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1703	ALL	recreation:	481930.6	3620825	0.000829	9901	DieselExhP	5.08E-08	15YrCance	*	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1701	ALL	recreation:	481730.6	3620825	0.000829	9901	DieselExhP	5.08E-08	15YrCance	*	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1704	ALL	recreation:	482030.6	3620825	0.000829	9901	DieselExhP	5.08E-08	15YrCance	*	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1696	ALL	recreation:	481230.6	3620825	0.000828	9901	DieselExhP	5.08E-08	15YrCance	*	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1697	ALL	recreation:	481330.6	3620825	0.000828	9901	DieselExhP	5.07E-08	15YrCance	*	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1698	ALL	recreation:	481430.6	3620825	0.000827	9901	DieselExhP	5.07E-08	15YrCance	*	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1695	ALL	recreation:	481130.6	3620825	0.000826	9901	DieselExhP	5.06E-08	15YrCance	*	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1533	ALL	recreation:	485630.6	3620325	0.000825	9901	DieselExhP	5.06E-08	15YrCance	*	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1699	ALL	recreation:	481530.6	3620825	0.000822	9901	DieselExhP	5.04E-08	15YrCance	*	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1428	ALL	recreation:	483830.6	3620125	0.000822	9901	DieselExhP	5.04E-08	15YrCance	*	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1694	ALL	recreation:	481030.6	3620825	0.000822	9901	DieselExhP	5.04E-08	15YrCance	*	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1532	ALL	recreation:	485530.6	3620325	0.000821	9901	DieselExhP	5.03E-08	15YrCance	*	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1425	ALL	recreation:	479030.6	3620125	0.00082	9901	DieselExhP	5.03E-08	15YrCance	*	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1705	ALL	recreation:	482130.6	3620825	0.000819	9901	DieselExhP	5.02E-08	15YrCance	*	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1700	ALL	recreation:	481630.6	3620825	0.000818	9901	DieselExhP	5.01E-08	15YrCance	*	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1534	ALL	recreation:	485730.6	3620325	0.000817	9901	DieselExhP	5.01E-08	15YrCance	*	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1693	ALL	recreation:	480930.6	3620825	0.000815	9901	DieselExhP	4.99E-08	15YrCance	*	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1692	ALL	recreation:	480830.6	3620825	0.000806	9901	DieselExhP	4.94E-08	15YrCance	*	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1706	ALL	recreation:	482230.6	3620825	0.000806	9901	DieselExhP	4.94E-08	15YrCance	*	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1535	ALL	recreation:	485830.6	3620325	0.000804	9901	DieselExhP	4.93E-08	15YrCance	*	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1429	ALL	recreation:	483930.6	3620125	0.000803	9901	DieselExhP	4.92E-08	15YrCance	*	4.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1691	ALL	recreation:	480730.6	3620825	0.000796	9901	DieselExhP	4.88E-08	15YrCance	*	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1536	ALL	recreation:	485930.6	3620325	0.00079	9901	DieselExhP	4.84E-08	15YrCance	*	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1707	ALL	recreation:	482330.6	3620825	0.000789	9901	DieselExhP	4.84E-08	15YrCance	*	4.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1573	ALL	recreation:	485630.6	3620425	0.000788	9901	DieselExhP	4.83E-08	15YrCance	*	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1572	ALL	recreation:	485530.6	3620425	0.000786	9901	DieselExhP	4.82E-08	15YrCance	*	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1690	ALL	recreation:	480630.6	3620825	0.000785	9901	DieselExhP	4.81E-08	15YrCance	*	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1658	ALL	recreation:	480030.6	3620725	0.000782	9901	DieselExhP	4.79E-08	15YrCance	*	4.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
946	ALL	recreation:	478230.6	3619125	0.00078	9901	DieselExhP	4.78E-08	15YrCance	*	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1574	ALL	recreation:	485730.6	3620425	0.000776	9901	DieselExhP	4.76E-08	15YrCance	*	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1689	ALL	recreation:	480530.6	3620825	0.000775	9901	DieselExhP	4.75E-08	15YrCance	*	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1473	ALL	recreation:	483830.6	3620225	0.000774	9901	DieselExhP	4.75E-08	15YrCance	*	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1740	ALL	recreation:	481730.6	3620925	0.000774	9901	DieselExhP	4.74E-08	15YrCance	*	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1424	ALL	recreation:	478930.6	3620125	0.000773	9901	DieselExhP	4.74E-08	15YrCance	*	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1735	ALL	recreation:	481230.6	3620925	0.000767	9901	DieselExhP	4.70E-08	15YrCance	*	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1736	ALL	recreation:	481330.6	3620925	0.000767	9901	DieselExhP	4.70E-08	15YrCance	*	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1739	ALL	recreation:	481630.6	3620925	0.000766	9901	DieselExhP	4.70E-08	15YrCance	*	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1737	ALL	recreation:	481430.6	3620925	0.000766	9901	DieselExhP	4.69E-08	15YrCance	*	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1688	ALL	recreation:	480430.6	3620825	0.000765	9901	DieselExhP	4.69E-08	15YrCance	*	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1734	ALL	recreation:	481130.6	3620925	0.000764	9901	DieselExhP	4.68E-08	15YrCance	*	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1738	ALL	recreation:	481530.6	3620925	0.000763	9901	DieselExhP	4.67E-08	15YrCance	*	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1474	ALL	recreation:	483930.6	3620225	0.00076	9901	DieselExhP	4.66E-08	15YrCance	*	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1733	ALL	recreation:	481030.6	3620925	0.00076	9901	DieselExhP	4.66E-08	15YrCance	*	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1575	ALL	recreation:	485830.6	3620425	0.000757	9901	DieselExhP	4.64E-08	15YrCance	*	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1687	ALL	recreation:	480330.6	3620825	0.000754	9901	DieselExhP	4.63E-08	15YrCance	*	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1732	ALL	recreation:	480930.6	3620925	0.000753	9901	DieselExhP	4.62E-08	15YrCance	*	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1610	ALL	recreation:	485530.6	3620525	0.000752	9901	DieselExhP	4.61E-08	15YrCance	*	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1611	ALL	recreation:	485630.6	3620525	0.000748	9901	DieselExhP	4.59E-08	15YrCance	*	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:58:20 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Rec15YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1576	ALL	recreation	485930.6	3620425	0.000745	9901	DieselExhP	4.57E-08	15YrCance	*	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1686	ALL	recreation	480230.6	3620825	0.000745	9901	DieselExhP	4.57E-08	15YrCance	*	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1685	ALL	recreation	480130.6	3620825	0.000736	9901	DieselExhP	4.51E-08	15YrCance	*	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1515	ALL	recreation	483830.6	3620325	0.000735	9901	DieselExhP	4.50E-08	15YrCance	*	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1471	ALL	recreation	478930.6	3620225	0.000735	9901	DieselExhP	4.50E-08	15YrCance	*	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1612	ALL	recreation	485730.6	3620525	0.000731	9901	DieselExhP	4.48E-08	15YrCance	*	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1684	ALL	recreation	480030.6	3620825	0.000724	9901	DieselExhP	4.44E-08	15YrCance	*	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1516	ALL	recreation	483930.6	3620325	0.000724	9901	DieselExhP	4.44E-08	15YrCance	*	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
893	ALL	recreation	478130.6	3619025	0.000722	9901	DieselExhP	4.43E-08	15YrCance	*	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1640	ALL	recreation	485530.6	3620625	0.00072	9901	DieselExhP	4.41E-08	15YrCance	*	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1767	ALL	recreation	481630.6	3621025	0.000716	9901	DieselExhP	4.39E-08	15YrCance	*	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1765	ALL	recreation	481430.6	3621025	0.000714	9901	DieselExhP	4.38E-08	15YrCance	*	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1766	ALL	recreation	481530.6	3621025	0.000711	9901	DieselExhP	4.36E-08	15YrCance	*	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1641	ALL	recreation	485630.6	3620625	0.00071	9901	DieselExhP	4.35E-08	15YrCance	*	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1613	ALL	recreation	485830.6	3620525	0.000709	9901	DieselExhP	4.34E-08	15YrCance	*	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1555	ALL	recreation	483830.6	3620425	0.000701	9901	DieselExhP	4.30E-08	15YrCance	*	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1470	ALL	recreation	478830.6	3620225	0.0007	9901	DieselExhP	4.29E-08	15YrCance	*	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1556	ALL	recreation	483930.6	3620425	0.00069	9901	DieselExhP	4.23E-08	15YrCance	*	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1796	ALL	recreation	481830.6	3621125	0.000678	9901	DieselExhP	4.16E-08	15YrCance	*	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1797	ALL	recreation	481930.6	3621125	0.000678	9901	DieselExhP	4.16E-08	15YrCance	*	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1795	ALL	recreation	481730.6	3621125	0.000677	9901	DieselExhP	4.15E-08	15YrCance	*	4.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1798	ALL	recreation	482030.6	3621125	0.000676	9901	DieselExhP	4.14E-08	15YrCance	*	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1642	ALL	recreation	485730.6	3620625	0.000675	9901	DieselExhP	4.14E-08	15YrCance	*	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1593	ALL	recreation	483830.6	3620525	0.000673	9901	DieselExhP	4.13E-08	15YrCance	*	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1794	ALL	recreation	481630.6	3621125	0.000672	9901	DieselExhP	4.12E-08	15YrCance	*	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1799	ALL	recreation	482130.6	3621125	0.000672	9901	DieselExhP	4.12E-08	15YrCance	*	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1792	ALL	recreation	481430.6	3621125	0.000669	9901	DieselExhP	4.10E-08	15YrCance	*	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1793	ALL	recreation	481530.6	3621125	0.000666	9901	DieselExhP	4.08E-08	15YrCance	*	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1800	ALL	recreation	482230.6	3621125	0.000666	9901	DieselExhP	4.08E-08	15YrCance	*	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1375	ALL	recreation	478530.6	3620025	0.000659	9901	DieselExhP	4.04E-08	15YrCance	*	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1801	ALL	recreation	482330.6	3621125	0.000658	9901	DieselExhP	4.03E-08	15YrCance	*	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1643	ALL	recreation	485830.6	3620625	0.000653	9901	DieselExhP	4.00E-08	15YrCance	*	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1594	ALL	recreation	483930.6	3620525	0.000652	9901	DieselExhP	4.00E-08	15YrCance	*	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1802	ALL	recreation	482430.6	3621125	0.000649	9901	DieselExhP	3.98E-08	15YrCance	*	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
892	ALL	recreation	478030.6	3619025	0.000643	9901	DieselExhP	3.94E-08	15YrCance	*	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1803	ALL	recreation	482530.6	3621125	0.000643	9901	DieselExhP	3.94E-08	15YrCance	*	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1847	ALL	recreation	481930.6	3621225	0.000641	9901	DieselExhP	3.93E-08	15YrCance	*	3.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1846	ALL	recreation	481830.6	3621225	0.000641	9901	DieselExhP	3.93E-08	15YrCance	*	3.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1845	ALL	recreation	481730.6	3621225	0.00064	9901	DieselExhP	3.92E-08	15YrCance	*	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1848	ALL	recreation	482030.6	3621225	0.00064	9901	DieselExhP	3.92E-08	15YrCance	*	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1514	ALL	recreation	478730.6	3620325	0.000635	9901	DieselExhP	3.90E-08	15YrCance	*	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1849	ALL	recreation	482130.6	3621225	0.000634	9901	DieselExhP	3.89E-08	15YrCance	*	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1844	ALL	recreation	481630.6	3621225	0.000631	9901	DieselExhP	3.87E-08	15YrCance	*	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1850	ALL	recreation	482230.6	3621225	0.000629	9901	DieselExhP	3.86E-08	15YrCance	*	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1841	ALL	recreation	481330.6	3621225	0.000629	9901	DieselExhP	3.86E-08	15YrCance	*	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1842	ALL	recreation	481430.6	3621225	0.000629	9901	DieselExhP	3.86E-08	15YrCance	*	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1843	ALL	recreation	481530.6	3621225	0.000629	9901	DieselExhP	3.85E-08	15YrCance	*	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1469	ALL	recreation	478630.6	3620225	0.000628	9901	DieselExhP	3.85E-08	15YrCance	*	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1423	ALL	recreation	478530.6	3620125	0.000625	9901	DieselExhP	3.83E-08	15YrCance	*	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1851	ALL	recreation	482330.6	3621225	0.000623	9901	DieselExhP	3.82E-08	15YrCance	*	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1840	ALL	recreation	481030.6	3621225	0.000619	9901	DieselExhP	3.80E-08	15YrCance	*	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1839	ALL	recreation	480930.6	3621225	0.000614	9901	DieselExhP	3.77E-08	15YrCance	*	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1852	ALL	recreation	482430.6	3621225	0.000614	9901	DieselExhP	3.76E-08	15YrCance	*	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1853	ALL	recreation	482530.6	3621225	0.000609	9901	DieselExhP	3.74E-08	15YrCance	*	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1838	ALL	recreation	480830.6	3621225	0.000608	9901	DieselExhP	3.73E-08	15YrCance	*	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1513	ALL	recreation	478630.6	3620325	0.0006	9901	DieselExhP	3.68E-08	15YrCance	*	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1837	ALL	recreation	480730.6	3621225	0.000599	9901	DieselExhP	3.67E-08	15YrCance	*	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1468	ALL	recreation	478530.6	3620225	0.000592	9901	DieselExhP	3.63E-08	15YrCance	*	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1836	ALL	recreation	480630.6	3621225	0.00059	9901	DieselExhP	3.62E-08	15YrCance	*	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1422	ALL	recreation	478430.6	3620125	0.00059	9901	DieselExhP	3.62E-08	15YrCance	*	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1835	ALL	recreation	480530.6	3621225	0.000582	9901	DieselExhP	3.57E-08	15YrCance	*	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1554	ALL	recreation	478630.6	3620425	0.000576	9901	DieselExhP	3.53E-08	15YrCance	*	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:58:20 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Rec15YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI!	WATER_RI!	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS!	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1834	ALL	recreation:	480430.6	3621225	0.000574	9901	DieselExhP	3.52E-08	15YrCance	*	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1253	ALL	recreation:	478130.6	3619725	0.000566	9901	DieselExhP	3.47E-08	15YrCance	*	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1833	ALL	recreation:	480330.6	3621225	0.000565	9901	DieselExhP	3.47E-08	15YrCance	*	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1512	ALL	recreation:	478530.6	3620325	0.000562	9901	DieselExhP	3.44E-08	15YrCance	*	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1421	ALL	recreation:	478330.6	3620125	0.000556	9901	DieselExhP	3.41E-08	15YrCance	*	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1832	ALL	recreation:	480230.6	3621225	0.000554	9901	DieselExhP	3.40E-08	15YrCance	*	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1467	ALL	recreation:	478430.6	3620225	0.000553	9901	DieselExhP	3.39E-08	15YrCance	*	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1592	ALL	recreation:	478630.6	3620525	0.000552	9901	DieselExhP	3.38E-08	15YrCance	*	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1831	ALL	recreation:	480130.6	3621225	0.000546	9901	DieselExhP	3.35E-08	15YrCance	*	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1213	ALL	recreation:	478030.6	3619625	0.000538	9901	DieselExhP	3.30E-08	15YrCance	*	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1553	ALL	recreation:	478530.6	3620425	0.000535	9901	DieselExhP	3.28E-08	15YrCance	*	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1628	ALL	recreation:	478630.6	3620625	0.000525	9901	DieselExhP	3.22E-08	15YrCance	*	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1511	ALL	recreation:	478430.6	3620325	0.000521	9901	DieselExhP	3.19E-08	15YrCance	*	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1466	ALL	recreation:	478330.6	3620225	0.000515	9901	DieselExhP	3.16E-08	15YrCance	*	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1420	ALL	recreation:	478230.6	3620125	0.000513	9901	DieselExhP	3.15E-08	15YrCance	*	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1591	ALL	recreation:	478530.6	3620525	0.000512	9901	DieselExhP	3.14E-08	15YrCance	*	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1172	ALL	recreation:	477930.6	3619525	0.000508	9901	DieselExhP	3.11E-08	15YrCance	*	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1212	ALL	recreation:	477930.6	3619625	0.000498	9901	DieselExhP	3.05E-08	15YrCance	*	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1057	ALL	recreation:	477830.6	3619325	0.000498	9901	DieselExhP	3.05E-08	15YrCance	*	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1552	ALL	recreation:	478430.6	3620425	0.000493	9901	DieselExhP	3.02E-08	15YrCance	*	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1510	ALL	recreation:	478330.6	3620325	0.000481	9901	DieselExhP	2.95E-08	15YrCance	*	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1465	ALL	recreation:	478230.6	3620225	0.000472	9901	DieselExhP	2.90E-08	15YrCance	*	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1114	ALL	recreation:	477830.6	3619425	0.000467	9901	DieselExhP	2.86E-08	15YrCance	*	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1419	ALL	recreation:	478130.6	3620125	0.000461	9901	DieselExhP	2.83E-08	15YrCance	*	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1292	ALL	recreation:	477930.6	3619825	0.00046	9901	DieselExhP	2.82E-08	15YrCance	*	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1374	ALL	recreation:	478030.6	3620025	0.000446	9901	DieselExhP	2.74E-08	15YrCance	*	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1171	ALL	recreation:	477830.6	3619525	0.000431	9901	DieselExhP	2.64E-08	15YrCance	*	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1464	ALL	recreation:	478130.6	3620225	0.000425	9901	DieselExhP	2.61E-08	15YrCance	*	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1211	ALL	recreation:	477830.6	3619625	0.00042	9901	DieselExhP	2.57E-08	15YrCance	*	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1331	ALL	recreation:	477930.6	3619925	0.00042	9901	DieselExhP	2.57E-08	15YrCance	*	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1418	ALL	recreation:	478030.6	3620125	0.000407	9901	DieselExhP	2.50E-08	15YrCance	*	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1252	ALL	recreation:	477830.6	3619725	0.000403	9901	DieselExhP	2.47E-08	15YrCance	*	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1373	ALL	recreation:	477930.6	3620025	0.000384	9901	DieselExhP	2.36E-08	15YrCance	*	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:56:45 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\School9YrHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI!	WATER_RI!	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS!	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
604	ALL	school	485930.6	3618225	0.004304	9901	DieselExhP	3.17E-07	9YrCancerI	*	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
570	ALL	school	486030.6	3618125	0.004253	9901	DieselExhP	3.14E-07	9YrCancerI	*	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
605	ALL	school	486030.6	3618225	0.003794	9901	DieselExhP	2.80E-07	9YrCancerI	*	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1859	ALL	school	485901.8	3618345	0.003666	9901	DieselExhP	2.70E-07	9YrCancerI	*	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
571	ALL	school	486130.6	3618125	0.003479	9901	DieselExhP	2.57E-07	9YrCancerI	*	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
464	ALL	school	487530.6	3617825	0.000898	9901	DieselExhP	6.62E-08	9YrCancerI	*	6.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
145	ALL	school	487472.4	3617865	0.000895	9901	DieselExhP	6.60E-08	9YrCancerI	*	6.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
147	ALL	school	487680.7	3617783	0.000863	9901	DieselExhP	6.36E-08	9YrCancerI	*	6.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
146	ALL	school	487557.2	3617865	0.000853	9901	DieselExhP	6.29E-08	9YrCancerI	*	6.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
465	ALL	school	487630.6	3617825	0.000851	9901	DieselExhP	6.27E-08	9YrCancerI	*	6.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
506	ALL	school	487530.6	3617925	0.000823	9901	DieselExhP	6.07E-08	9YrCancerI	*	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
466	ALL	school	487730.6	3617825	0.000808	9901	DieselExhP	5.96E-08	9YrCancerI	*	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
148	ALL	school	487845.5	3617783	0.000795	9901	DieselExhP	5.86E-08	9YrCancerI	*	5.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
507	ALL	school	487630.6	3617925	0.00078	9901	DieselExhP	5.75E-08	9YrCancerI	*	5.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
545	ALL	school	487530.6	3618025	0.000771	9901	DieselExhP	5.68E-08	9YrCancerI	*	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
467	ALL	school	487830.6	3617825	0.00077	9901	DieselExhP	5.68E-08	9YrCancerI	*	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
508	ALL	school	487730.6	3617925	0.000744	9901	DieselExhP	5.49E-08	9YrCancerI	*	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
583	ALL	school	487530.6	3618125	0.000734	9901	DieselExhP	5.41E-08	9YrCancerI	*	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
546	ALL	school	487630.6	3618025	0.00073	9901	DieselExhP	5.39E-08	9YrCancerI	*	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
509	ALL	school	487830.6	3617925	0.00071	9901	DieselExhP	5.23E-08	9YrCancerI	*	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
547	ALL	school	487730.6	3618025	0.000696	9901	DieselExhP	5.13E-08	9YrCancerI	*	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
584	ALL	school	487630.6	3618125	0.000696	9901	DieselExhP	5.13E-08	9YrCancerI	*	5.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
470	ALL	school	488130.6	3617825	0.000684	9901	DieselExhP	5.05E-08	9YrCancerI	*	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
548	ALL	school	487830.6	3618025	0.000664	9901	DieselExhP	4.90E-08	9YrCancerI	*	4.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
585	ALL	school	487730.6	3618125	0.000661	9901	DieselExhP	4.88E-08	9YrCancerI	*	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
471	ALL	school	488230.6	3617825	0.00066	9901	DieselExhP	4.86E-08	9YrCancerI	*	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
512	ALL	school	488130.6	3617925	0.000632	9901	DieselExhP	4.66E-08	9YrCancerI	*	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
586	ALL	school	487830.6	3618125	0.00063	9901	DieselExhP	4.65E-08	9YrCancerI	*	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
150	ALL	school	489656.5	3613786	0.000619	9901	DieselExhP	4.56E-08	9YrCancerI	*	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
151	ALL	school	489687.6	3613796	0.000616	9901	DieselExhP	4.54E-08	9YrCancerI	*	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
513	ALL	school	488230.6	3617925	0.000612	9901	DieselExhP	4.51E-08	9YrCancerI	*	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:59:18 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\WorkerHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1893	ALL	Worker	486000	3617500	0.014997	9901	DieselExhP	9.28E-07	25YrCance	*	9.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1903	ALL	Worker	486000	3617600	0.011539	9901	DieselExhP	7.14E-07	25YrCance	*	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1894	ALL	Worker	486100	3617500	0.011347	9901	DieselExhP	7.02E-07	25YrCance	*	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1885	ALL	Worker	486200	3617400	0.009258	9901	DieselExhP	5.73E-07	25YrCance	*	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1920	ALL	Worker	485800	3617900	0.00921	9901	DieselExhP	5.70E-07	25YrCance	*	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1895	ALL	Worker	486200	3617500	0.008567	9901	DieselExhP	5.30E-07	25YrCance	*	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1904	ALL	Worker	486100	3617600	0.008504	9901	DieselExhP	5.26E-07	25YrCance	*	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1927	ALL	Worker	485800	3618000	0.007731	9901	DieselExhP	4.78E-07	25YrCance	*	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1886	ALL	Worker	486300	3617400	0.007539	9901	DieselExhP	4.67E-07	25YrCance	*	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1921	ALL	Worker	485900	3617900	0.006874	9901	DieselExhP	4.25E-07	25YrCance	*	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1933	ALL	Worker	485700	3618100	0.006745	9901	DieselExhP	4.17E-07	25YrCance	*	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1896	ALL	Worker	486300	3617500	0.006612	9901	DieselExhP	4.09E-07	25YrCance	*	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1928	ALL	Worker	485900	3618000	0.006497	9901	DieselExhP	4.02E-07	25YrCance	*	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1905	ALL	Worker	486200	3617600	0.006427	9901	DieselExhP	3.98E-07	25YrCance	*	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1934	ALL	Worker	485800	3618100	0.006281	9901	DieselExhP	3.89E-07	25YrCance	*	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1879	ALL	Worker	486400	3617300	0.006246	9901	DieselExhP	3.87E-07	25YrCance	*	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1887	ALL	Worker	486400	3617400	0.006172	9901	DieselExhP	3.82E-07	25YrCance	*	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1935	ALL	Worker	485900	3618100	0.005566	9901	DieselExhP	3.44E-07	25YrCance	*	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1939	ALL	Worker	485700	3618200	0.005509	9901	DieselExhP	3.41E-07	25YrCance	*	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1910	ALL	Worker	486100	3617700	0.005443	9901	DieselExhP	3.37E-07	25YrCance	*	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1880	ALL	Worker	486500	3617300	0.005395	9901	DieselExhP	3.34E-07	25YrCance	*	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1897	ALL	Worker	486400	3617500	0.005262	9901	DieselExhP	3.26E-07	25YrCance	*	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1874	ALL	Worker	486500	3617200	0.00518	9901	DieselExhP	3.21E-07	25YrCance	*	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1940	ALL	Worker	485800	3618200	0.005166	9901	DieselExhP	3.20E-07	25YrCance	*	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1888	ALL	Worker	486500	3617400	0.005088	9901	DieselExhP	3.15E-07	25YrCance	*	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1929	ALL	Worker	486000	3618000	0.005067	9901	DieselExhP	3.14E-07	25YrCance	*	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1906	ALL	Worker	486300	3617600	0.005032	9901	DieselExhP	3.11E-07	25YrCance	*	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1922	ALL	Worker	486000	3617900	0.004911	9901	DieselExhP	3.04E-07	25YrCance	*	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1915	ALL	Worker	486000	3617800	0.004782	9901	DieselExhP	2.96E-07	25YrCance	*	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1869	ALL	Worker	486500	3617100	0.004723	9901	DieselExhP	2.92E-07	25YrCance	*	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1881	ALL	Worker	486600	3617300	0.004675	9901	DieselExhP	2.89E-07	25YrCance	*	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1936	ALL	Worker	486000	3618100	0.004648	9901	DieselExhP	2.88E-07	25YrCance	*	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1941	ALL	Worker	485900	3618200	0.004647	9901	DieselExhP	2.88E-07	25YrCance	*	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1875	ALL	Worker	486600	3617200	0.004644	9901	DieselExhP	2.87E-07	25YrCance	*	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1945	ALL	Worker	485700	3618300	0.004554	9901	DieselExhP	2.82E-07	25YrCance	*	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1911	ALL	Worker	486200	3617700	0.004398	9901	DieselExhP	2.72E-07	25YrCance	*	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1870	ALL	Worker	486600	3617100	0.004381	9901	DieselExhP	2.71E-07	25YrCance	*	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1946	ALL	Worker	485800	3618300	0.004312	9901	DieselExhP	2.67E-07	25YrCance	*	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1898	ALL	Worker	486500	3617500	0.0043	9901	DieselExhP	2.66E-07	25YrCance	*	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1889	ALL	Worker	486600	3617400	0.004272	9901	DieselExhP	2.64E-07	25YrCance	*	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1876	ALL	Worker	486700	3617200	0.00417	9901	DieselExhP	2.58E-07	25YrCance	*	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1944	ALL	Worker	485600	3618300	0.004145	9901	DieselExhP	2.57E-07	25YrCance	*	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1942	ALL	Worker	486000	3618200	0.004094	9901	DieselExhP	2.53E-07	25YrCance	*	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1907	ALL	Worker	486400	3617600	0.00408	9901	DieselExhP	2.53E-07	25YrCance	*	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1882	ALL	Worker	486700	3617300	0.004056	9901	DieselExhP	2.51E-07	25YrCance	*	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1871	ALL	Worker	486700	3617100	0.004037	9901	DieselExhP	2.50E-07	25YrCance	*	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1865	ALL	Worker	486600	3617000	0.003992	9901	DieselExhP	2.47E-07	25YrCance	*	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1916	ALL	Worker	486100	3617800	0.003971	9901	DieselExhP	2.46E-07	25YrCance	*	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1947	ALL	Worker	485900	3618300	0.003933	9901	DieselExhP	2.43E-07	25YrCance	*	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1951	ALL	Worker	485700	3618400	0.003844	9901	DieselExhP	2.38E-07	25YrCance	*	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1930	ALL	Worker	486100	3618000	0.003813	9901	DieselExhP	2.36E-07	25YrCance	*	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1866	ALL	Worker	486700	3617000	0.003777	9901	DieselExhP	2.34E-07	25YrCance	*	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1923	ALL	Worker	486100	3617900	0.003762	9901	DieselExhP	2.33E-07	25YrCance	*	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1937	ALL	Worker	486100	3618100	0.003758	9901	DieselExhP	2.33E-07	25YrCance	*	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1877	ALL	Worker	486800	3617200	0.003743	9901	DieselExhP	2.32E-07	25YrCance	*	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1872	ALL	Worker	486800	3617100	0.003711	9901	DieselExhP	2.30E-07	25YrCance	*	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1952	ALL	Worker	485800	3618400	0.003673	9901	DieselExhP	2.27E-07	25YrCance	*	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1890	ALL	Worker	486700	3617400	0.003666	9901	DieselExhP	2.27E-07	25YrCance	*	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1912	ALL	Worker	486300	3617700	0.003657	9901	DieselExhP	2.26E-07	25YrCance	*	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1899	ALL	Worker	486600	3617500	0.003647	9901	DieselExhP	2.26E-07	25YrCance	*	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1950	ALL	Worker	485600	3618400	0.003585	9901	DieselExhP	2.22E-07	25YrCance	*	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1883	ALL	Worker	486800	3617300	0.003575	9901	DieselExhP	2.21E-07	25YrCance	*	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:59:18 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\WorkerHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1867	ALL	Worker	486800	3617000	0.003549	9901	DieselExhP	2.20E-07	25YrCance	*	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1943	ALL	Worker	486100	3618200	0.003488	9901	DieselExhP	2.16E-07	25YrCance	*	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1908	ALL	Worker	486500	3617600	0.003466	9901	DieselExhP	2.14E-07	25YrCance	*	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1873	ALL	Worker	486900	3617100	0.003413	9901	DieselExhP	2.11E-07	25YrCance	*	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1953	ALL	Worker	485900	3618400	0.003391	9901	DieselExhP	2.10E-07	25YrCance	*	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1878	ALL	Worker	486900	3617200	0.003382	9901	DieselExhP	2.09E-07	25YrCance	*	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1917	ALL	Worker	486200	3617800	0.003357	9901	DieselExhP	2.08E-07	25YrCance	*	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1868	ALL	Worker	486900	3617000	0.00332	9901	DieselExhP	2.05E-07	25YrCance	*	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1863	ALL	Worker	486800	3616900	0.003308	9901	DieselExhP	2.05E-07	25YrCance	*	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1958	ALL	Worker	485700	3618500	0.003304	9901	DieselExhP	2.04E-07	25YrCance	*	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1959	ALL	Worker	485800	3618500	0.003187	9901	DieselExhP	1.97E-07	25YrCance	*	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1891	ALL	Worker	486800	3617400	0.003173	9901	DieselExhP	1.96E-07	25YrCance	*	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1884	ALL	Worker	486900	3617300	0.003169	9901	DieselExhP	1.96E-07	25YrCance	*	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1957	ALL	Worker	485600	3618500	0.003152	9901	DieselExhP	1.95E-07	25YrCance	*	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1864	ALL	Worker	486900	3616900	0.00315	9901	DieselExhP	1.95E-07	25YrCance	*	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1913	ALL	Worker	486400	3617700	0.00311	9901	DieselExhP	1.92E-07	25YrCance	*	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1900	ALL	Worker	486700	3617500	0.003101	9901	DieselExhP	1.92E-07	25YrCance	*	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1924	ALL	Worker	486200	3617900	0.003036	9901	DieselExhP	1.88E-07	25YrCance	*	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1938	ALL	Worker	486200	3618100	0.003017	9901	DieselExhP	1.87E-07	25YrCance	*	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1931	ALL	Worker	486200	3618000	0.003005	9901	DieselExhP	1.86E-07	25YrCance	*	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1909	ALL	Worker	486600	3617600	0.002914	9901	DieselExhP	1.80E-07	25YrCance	*	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1966	ALL	Worker	485700	3618600	0.002892	9901	DieselExhP	1.79E-07	25YrCance	*	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1956	ALL	Worker	485500	3618500	0.002872	9901	DieselExhP	1.78E-07	25YrCance	*	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1918	ALL	Worker	486300	3617800	0.002851	9901	DieselExhP	1.76E-07	25YrCance	*	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1965	ALL	Worker	485600	3618600	0.002804	9901	DieselExhP	1.74E-07	25YrCance	*	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1967	ALL	Worker	485800	3618600	0.002799	9901	DieselExhP	1.73E-07	25YrCance	*	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1892	ALL	Worker	486900	3617400	0.002793	9901	DieselExhP	1.73E-07	25YrCance	*	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1901	ALL	Worker	486800	3617500	0.0027	9901	DieselExhP	1.67E-07	25YrCance	*	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1914	ALL	Worker	486500	3617700	0.002652	9901	DieselExhP	1.64E-07	25YrCance	*	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1964	ALL	Worker	485500	3618600	0.002615	9901	DieselExhP	1.62E-07	25YrCance	*	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1860	ALL	Worker	486700	3616600	0.002589	9901	DieselExhP	1.60E-07	25YrCance	*	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1955	ALL	Worker	485400	3618500	0.002571	9901	DieselExhP	1.59E-07	25YrCance	*	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1975	ALL	Worker	485700	3618700	0.00257	9901	DieselExhP	1.59E-07	25YrCance	*	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1861	ALL	Worker	486800	3616600	0.002547	9901	DieselExhP	1.58E-07	25YrCance	*	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1925	ALL	Worker	486300	3617900	0.002546	9901	DieselExhP	1.58E-07	25YrCance	*	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1974	ALL	Worker	485600	3618700	0.002514	9901	DieselExhP	1.56E-07	25YrCance	*	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1862	ALL	Worker	486900	3616600	0.002498	9901	DieselExhP	1.55E-07	25YrCance	*	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1932	ALL	Worker	486300	3618000	0.002479	9901	DieselExhP	1.53E-07	25YrCance	*	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1919	ALL	Worker	486400	3617800	0.002456	9901	DieselExhP	1.52E-07	25YrCance	*	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1902	ALL	Worker	486900	3617500	0.002388	9901	DieselExhP	1.48E-07	25YrCance	*	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1973	ALL	Worker	485500	3618700	0.002384	9901	DieselExhP	1.48E-07	25YrCance	*	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1963	ALL	Worker	485400	3618600	0.002378	9901	DieselExhP	1.47E-07	25YrCance	*	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1982	ALL	Worker	485700	3618800	0.002312	9901	DieselExhP	1.43E-07	25YrCance	*	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1949	ALL	Worker	485200	3618400	0.002286	9901	DieselExhP	1.42E-07	25YrCance	*	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1981	ALL	Worker	485600	3618800	0.002274	9901	DieselExhP	1.41E-07	25YrCance	*	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1972	ALL	Worker	485400	3618700	0.002209	9901	DieselExhP	1.37E-07	25YrCance	*	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1926	ALL	Worker	486400	3617900	0.002192	9901	DieselExhP	1.36E-07	25YrCance	*	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1980	ALL	Worker	485500	3618800	0.002179	9901	DieselExhP	1.35E-07	25YrCance	*	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1948	ALL	Worker	485100	3618400	0.002176	9901	DieselExhP	1.35E-07	25YrCance	*	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1954	ALL	Worker	485200	3618500	0.002154	9901	DieselExhP	1.33E-07	25YrCance	*	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1989	ALL	Worker	485700	3618900	0.002093	9901	DieselExhP	1.30E-07	25YrCance	*	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1988	ALL	Worker	485600	3618900	0.002068	9901	DieselExhP	1.28E-07	25YrCance	*	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1960	ALL	Worker	484800	3618600	0.001942	9901	DieselExhP	1.20E-07	25YrCance	*	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1994	ALL	Worker	485700	3619000	0.001905	9901	DieselExhP	1.18E-07	25YrCance	*	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1962	ALL	Worker	485000	3618600	0.001893	9901	DieselExhP	1.17E-07	25YrCance	*	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1961	ALL	Worker	484900	3618600	0.001891	9901	DieselExhP	1.17E-07	25YrCance	*	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1993	ALL	Worker	485600	3619000	0.001889	9901	DieselExhP	1.17E-07	25YrCance	*	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1968	ALL	Worker	484700	3618700	0.001857	9901	DieselExhP	1.15E-07	25YrCance	*	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1983	ALL	Worker	484400	3618900	0.001807	9901	DieselExhP	1.12E-07	25YrCance	*	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1969	ALL	Worker	484800	3618700	0.001794	9901	DieselExhP	1.11E-07	25YrCance	*	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1976	ALL	Worker	484600	3618800	0.001779	9901	DieselExhP	1.10E-07	25YrCance	*	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1971	ALL	Worker	485000	3618700	0.001769	9901	DieselExhP	1.09E-07	25YrCance	*	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:59:18 AM - Cancer Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\WorkerHRAInput.hr

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI!	WATER_RI!	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS!	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE
1970	ALL	Worker	484900	3618700	0.001768	9901	DieselExhP	1.09E-07	25YrCance	*	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1998	ALL	Worker	485700	3619100	0.001745	9901	DieselExhP	1.08E-07	25YrCance	*	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1990	ALL	Worker	484300	3619000	0.001738	9901	DieselExhP	1.08E-07	25YrCance	*	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1997	ALL	Worker	485600	3619100	0.001735	9901	DieselExhP	1.07E-07	25YrCance	*	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
411	ALL	Industrial	484330.6	3617725	0.001731	9901	DieselExhP	1.07E-07	25YrCance	*	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1977	ALL	Worker	484700	3618800	0.001709	9901	DieselExhP	1.06E-07	25YrCance	*	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1984	ALL	Worker	484500	3618900	0.001708	9901	DieselExhP	1.06E-07	25YrCance	*	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1978	ALL	Worker	484800	3618800	0.001668	9901	DieselExhP	1.03E-07	25YrCance	*	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1991	ALL	Worker	484400	3619000	0.001639	9901	DieselExhP	1.01E-07	25YrCance	*	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1979	ALL	Worker	484900	3618800	0.001637	9901	DieselExhP	1.01E-07	25YrCance	*	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1985	ALL	Worker	484600	3618900	0.001635	9901	DieselExhP	1.01E-07	25YrCance	*	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1986	ALL	Worker	484700	3618900	0.001577	9901	DieselExhP	9.76E-08	25YrCance	*	9.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1995	ALL	Worker	484300	3619100	0.00157	9901	DieselExhP	9.72E-08	25YrCance	*	9.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1992	ALL	Worker	484500	3619000	0.001558	9901	DieselExhP	9.64E-08	25YrCance	*	9.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1987	ALL	Worker	484800	3618900	0.001536	9901	DieselExhP	9.51E-08	25YrCance	*	9.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
1996	ALL	Worker	484400	3619100	0.001485	9901	DieselExhP	9.19E-08	25YrCance	*	9.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE\SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_D	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
1893	ALL	Worker	486000	3617500	0.014997	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.50E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1903	ALL	Worker	486000	3617600	0.011539	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.15E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1894	ALL	Worker	486100	3617500	0.011347	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1885	ALL	Worker	486200	3617400	0.009258	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1920	ALL	Worker	485800	3617900	0.00921	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1895	ALL	Worker	486200	3617500	0.008567	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1904	ALL	Worker	486100	3617600	0.008504	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1927	ALL	Worker	485800	3618000	0.007731	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1886	ALL	Worker	486300	3617400	0.007539	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1921	ALL	Worker	485900	3617900	0.006874	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1933	ALL	Worker	485700	3618100	0.006745	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1896	ALL	Worker	486300	3617500	0.006612	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1928	ALL	Worker	485900	3618000	0.006497	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1905	ALL	Worker	486200	3617600	0.006427	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1934	ALL	Worker	485800	3618100	0.006281	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1879	ALL	Worker	486400	3617300	0.006246	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1887	ALL	Worker	486400	3617400	0.006172	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1935	ALL	Worker	485900	3618100	0.005566	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1939	ALL	Worker	485700	3618200	0.005509	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1910	ALL	Worker	486100	3617700	0.005443	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1880	ALL	Worker	486500	3617300	0.005395	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1897	ALL	Worker	486400	3617500	0.005262	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1874	ALL	Worker	486500	3617200	0.00518	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1940	ALL	Worker	485800	3618200	0.005166	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1888	ALL	Worker	486500	3617400	0.005088	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1929	ALL	Worker	486000	3618000	0.005067	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1906	ALL	Worker	486300	3617600	0.005032	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1922	ALL	Worker	486000	3617900	0.004911	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1915	ALL	Worker	486000	3617800	0.004782	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1869	ALL	Worker	486500	3617100	0.004723	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1881	ALL	Worker	486600	3617300	0.004675	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1936	ALL	Worker	486000	3618100	0.004648	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1941	ALL	Worker	485900	3618200	0.004647	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1875	ALL	Worker	486600	3617200	0.004644	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1945	ALL	Worker	485700	3618300	0.004554	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1911	ALL	Worker	486200	3617700	0.004398	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1870	ALL	Worker	486600	3617100	0.004381	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1946	ALL	Worker	485800	3618300	0.004312	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1898	ALL	Worker	486500	3617500	0.0043	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1889	ALL	Worker	486600	3617400	0.004272	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1876	ALL	Worker	486700	3617200	0.00417	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1944	ALL	Worker	485600	3618300	0.004145	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1942	ALL	Worker	486000	3618200	0.004094	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1907	ALL	Worker	486400	3617600	0.00408	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1882	ALL	Worker	486700	3617300	0.004056	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1871	ALL	Worker	486700	3617100	0.004037	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1865	ALL	Worker	486600	3617000	0.003992	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1916	ALL	Worker	486100	3617800	0.003971	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1947	ALL	Worker	485900	3618300	0.003933	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1951	ALL	Worker	485700	3618400	0.003844	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1930	ALL	Worker	486100	3618000	0.003813	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1866	ALL	Worker	486700	3617000	0.003777	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1923	ALL	Worker	486100	3617900	0.003762	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1937	ALL	Worker	486100	3618100	0.003758	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1877	ALL	Worker	486800	3617200	0.003743	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1872	ALL	Worker	486800	3617100	0.003711	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1952	ALL	Worker	485800	3618400	0.003673	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1890	ALL	Worker	486700	3617400	0.003666	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1912	ALL	Worker	486300	3617700	0.003657	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1899	ALL	Worker	486600	3617500	0.003647	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1950	ALL	Worker	485600	3618400	0.003585	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1883	ALL	Worker	486800	3617300	0.003575	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1867	ALL	Worker	486800	3617000	0.003549	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1943	ALL	Worker	486100	3618200	0.003488	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1908	ALL	Worker	486500	3617600	0.003466	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1873	ALL	Worker	486900	3617100	0.003413	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1953	ALL	Worker	485900	3618400	0.003391	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1878	ALL	Worker	486900	3617200	0.003382	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1917	ALL	Worker	486200	3617800	0.003357	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
636	ALL	residential	486030.6	3618325	0.003324	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1868	ALL	Worker	486900	3617000	0.00332	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1863	ALL	Worker	486800	3616900	0.003308	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1958	ALL	Worker	485700	3618500	0.003304	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
412	ALL	residential	486330.6	3617725	0.00327	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
606	ALL	residential	486130.6	3618225	0.003243	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
669	ALL	residential	485930.6	3618425	0.003193	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1959	ALL	Worker	485800	3618500	0.003187	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1891	ALL	Worker	486800	3617400	0.003173	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1884	ALL	Worker	486900	3617300	0.003169	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1957	ALL	Worker	485600	3618500	0.003152	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1864	ALL	Worker	486900	3616900	0.00315	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1913	ALL	Worker	486400	3617700	0.00311	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1900	ALL	Worker	486700	3617500	0.003101	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1924	ALL	Worker	486200	3617900	0.003036	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1938	ALL	Worker	486200	3618100	0.003017	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1931	ALL	Worker	486200	3618000	0.003005	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
637	ALL	residential	486130.6	3618325	0.002951	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
670	ALL	residential	486030.6	3618425	0.002932	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1909	ALL	Worker	486600	3617600	0.002914	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1966	ALL	Worker	485700	3618600	0.002892	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1956	ALL	Worker	485500	3618500	0.002872	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1918	ALL	Worker	486300	3617800	0.002851	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
340	ALL	residential	486730.6	3617525	0.002828	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
534	ALL	residential	486230.6	3618025	0.002824	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
572	ALL	residential	486230.6	3618125	0.002824	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
704	ALL	residential	485930.6	3618525	0.002806	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1965	ALL	Worker	485600	3618600	0.002804	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1967	ALL	Worker	485800	3618600	0.002799	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1892	ALL	Worker	486900	3617400	0.002793	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
607	ALL	residential	486230.6	3618225	0.00274	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1901	ALL	Worker	486800	3617500	0.0027	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
741	ALL	residential	485830.6	3618625	0.002669	9901	DieselExhPINonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE\	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_D	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
671	ALL	residential	486130.6	3618425	0.002661	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1914	ALL	Worker	486500	3617700	0.002652	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
374	ALL	residential	486630.6	3617625	0.002636	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
292	ALL	residential	487030.6	3617325	0.002631	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1964	ALL	Worker	485500	3618600	0.002615	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
705	ALL	residential	486030.6	3618525	0.002602	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
316	ALL	residential	486930.6	3617425	0.002596	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1860	ALL	Worker	486700	3616600	0.002589	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
638	ALL	residential	486230.6	3618325	0.00258	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1955	ALL	Worker	485400	3618500	0.002571	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1975	ALL	Worker	485700	3618700	0.00257	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1861	ALL	Worker	486800	3616600	0.002547	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1925	ALL	Worker	486300	3617900	0.002546	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1974	ALL	Worker	485600	3618700	0.002514	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
742	ALL	residential	485930.6	3618625	0.002498	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1862	ALL	Worker	486900	3616600	0.002498	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
341	ALL	residential	486830.6	3617525	0.002485	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1932	ALL	Worker	486300	3618000	0.002479	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1919	ALL	Worker	486400	3617800	0.002456	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
140	ALL	residential	486544.7	3617711	0.002428	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
495	ALL	residential	486330.6	3617925	0.002401	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
413	ALL	residential	486530.6	3617725	0.002399	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
706	ALL	residential	486130.6	3618525	0.002398	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
779	ALL	residential	485830.6	3618725	0.002393	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
672	ALL	residential	486230.6	3618425	0.002389	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1902	ALL	Worker	486900	3617500	0.002388	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1973	ALL	Worker	485500	3618700	0.002384	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
139	ALL	residential	486517.8	3617736	0.002381	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1963	ALL	Worker	485400	3618600	0.002378	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
273	ALL	residential	487230.6	3617225	0.002361	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
293	ALL	residential	487130.6	3617325	0.002356	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
535	ALL	residential	486330.6	3618025	0.002348	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
138	ALL	residential	486474.2	3617772	0.002344	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
573	ALL	residential	486330.6	3618125	0.002336	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
137	ALL	residential	486422.2	3617812	0.002336	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
743	ALL	residential	486030.6	3618625	0.002333	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
608	ALL	residential	486330.6	3618225	0.00232	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
375	ALL	residential	486730.6	3617625	0.002313	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1982	ALL	Worker	485700	3618800	0.002312	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
317	ALL	residential	487030.6	3617425	0.00231	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1949	ALL	Worker	485200	3618400	0.002286	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1981	ALL	Worker	485600	3618800	0.002274	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
454	ALL	residential	486430.6	3617825	0.002269	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
780	ALL	residential	485930.6	3618725	0.00225	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
639	ALL	residential	486330.6	3618325	0.002238	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
342	ALL	residential	486930.6	3617525	0.002213	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1972	ALL	Worker	485400	3618700	0.002209	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1926	ALL	Worker	486400	3617900	0.002192	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1980	ALL	Worker	485500	3618800	0.002179	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1948	ALL	Worker	485100	3618400	0.002176	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
817	ALL	residential	485830.6	3618825	0.002164	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1954	ALL	Worker	485200	3618500	0.002154	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
274	ALL	residential	487330.6	3617225	0.002149	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
414	ALL	residential	486630.6	3617725	0.002129	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
294	ALL	residential	487230.6	3617325	0.002126	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
781	ALL	residential	486030.6	3618725	0.00211	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
141	ALL	residential	486607.9	3617745	0.002101	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
144	ALL	residential	486456.5	3617863	0.0021	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1989	ALL	Worker	485700	3618900	0.002093	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
142	ALL	residential	486555.9	3617784	0.002075	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
318	ALL	residential	487130.6	3617425	0.002074	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
496	ALL	residential	486430.6	3617925	0.002073	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
143	ALL	residential	486498.3	3617831	0.002073	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1988	ALL	Worker	485600	3618900	0.002068	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
376	ALL	residential	486830.6	3617625	0.002065	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
778	ALL	residential	485330.6	3618725	0.00205	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
818	ALL	residential	485930.6	3618825	0.002047	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
816	ALL	residential	485430.6	3618825	0.002047	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
740	ALL	residential	485230.6	3618625	0.002027	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
455	ALL	residential	486530.6	3617825	0.00201	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
744	ALL	residential	486230.6	3618625	0.002009	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
536	ALL	residential	486430.6	3618025	0.002008	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
574	ALL	residential	486430.6	3618125	0.001988	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
275	ALL	residential	487430.6	3617225	0.001987	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
707	ALL	residential	486330.6	3618525	0.001985	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
343	ALL	residential	487030.6	3617525	0.00198	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
858	ALL	residential	485530.6	3618925	0.001978	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
609	ALL	residential	486430.6	3618225	0.001977	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
859	ALL	residential	485830.6	3618925	0.001971	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1960	ALL	Worker	484800	3618600	0.001942	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
295	ALL	residential	487330.6	3617325	0.001934	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
819	ALL	residential	486030.6	3618825	0.001927	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1	ALL	residential	487479.5	3617251	0.001927	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
739	ALL	residential	485130.6	3618625	0.001918	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
815	ALL	residential	485330.6	3618825	0.001912	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
415	ALL	residential	486730.6	3617725	0.001906	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
777	ALL	residential	485230.6	3618725	0.001905	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1994	ALL	Worker	485700	3619000	0.001905	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1962	ALL	Worker	485000	3618600	0.001893	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1961	ALL	Worker	484900	3618600	0.001891	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
857	ALL	residential	485430.6	3618925	0.001891	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
17	ALL	residential	487479.5	3617270	0.001891	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1993	ALL	Worker	485600	3619000	0.001889	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
860	ALL	residential	485930.6	3618925	0.001875	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
319	ALL	residential	487230.6	3617425	0.001873	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
673	ALL	residential	486430.6	3618425	0.001872	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
912	ALL	residential	485630.6	3619025	0.001858	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
377	ALL	residential	486930.6	3617625	0.001858	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
913	ALL	residential	485730.6	3619025	0.001857	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1968	ALL	Worker	484700	3618700	0.001857	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
33	ALL	residential	487479.5	3617289	0.001854	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
2	ALL	residential	487504.5	3617251	0.001853	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\269BHRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_E	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
745	ALL	residential	486330.6	3618625	0.001849	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
782	ALL	residential	486230.6	3618725	0.001848	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
497	ALL	residential	486530.6	3617925	0.001826	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
494	ALL	residential	484130.6	3617925	0.001825	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
245	ALL	residential	487730.6	3617025	0.001822	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
18	ALL	residential	487504.5	3617270	0.00182	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
49	ALL	residential	487479.5	3617309	0.001818	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
911	ALL	residential	485530.6	3619025	0.001817	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1983	ALL	Worker	484400	3618900	0.001807	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
914	ALL	residential	485830.6	3619025	0.001806	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
3	ALL	residential	487529.5	3617251	0.001806	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
776	ALL	residential	485130.6	3618725	0.001804	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
456	ALL	residential	486630.6	3617825	0.0018	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1969	ALL	Worker	484800	3618700	0.001794	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
296	ALL	residential	487430.6	3617325	0.001793	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
814	ALL	residential	485230.6	3618825	0.001789	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
344	ALL	residential	487130.6	3617525	0.001787	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
34	ALL	residential	487504.5	3617289	0.001787	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
708	ALL	residential	486430.6	3618525	0.001785	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
65	ALL	residential	487479.5	3617328	0.001784	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
856	ALL	residential	485330.6	3618925	0.001783	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
453	ALL	residential	484230.6	3617825	0.001781	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1976	ALL	Worker	484600	3618800	0.001779	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
19	ALL	residential	487529.5	3617270	0.001774	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
861	ALL	residential	486030.6	3618925	0.001771	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
81	ALL	residential	487479.5	3617347	0.001769	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1971	ALL	Worker	485000	3618700	0.001769	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1970	ALL	Worker	484900	3618700	0.001768	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
233	ALL	residential	487830.6	3616925	0.001767	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
4	ALL	residential	487554.5	3617251	0.001766	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
50	ALL	residential	487504.5	3617309	0.001755	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
537	ALL	residential	486530.6	3618025	0.001752	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
910	ALL	residential	485430.6	3619025	0.001747	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
97	ALL	residential	487474.3	3617363	0.001746	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1998	ALL	Worker	485700	3619100	0.001745	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
775	ALL	residential	485030.6	3618725	0.001744	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
35	ALL	residential	487529.5	3617289	0.001743	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1990	ALL	Worker	484300	3619000	0.001738	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1997	ALL	Worker	485600	3619100	0.001735	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
20	ALL	residential	487554.5	3617270	0.001735	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
533	ALL	residential	483930.6	3618025	0.001733	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
575	ALL	residential	486530.6	3618125	0.001732	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
411	ALL	Industrial	484330.6	3617725	0.001731	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
82	ALL	residential	487504.5	3617347	0.001731	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
66	ALL	residential	487504.5	3617328	0.00173	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
5	ALL	residential	487579.5	3617251	0.001729	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
416	ALL	residential	486830.6	3617725	0.001727	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
915	ALL	residential	485930.6	3619025	0.001725	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
783	ALL	residential	486330.6	3618725	0.001717	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
51	ALL	residential	487529.5	3617309	0.001714	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE\SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	PIG_DOSE	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_E	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
812	ALL	residential	485030.6	3618825	0.001626	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
69	ALL	residential	487579.5	3617328	0.001626	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
101	ALL	residential	487548.3	3617363	0.001625	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
410	ALL	residential	484230.6	3617725	0.001619	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
964	ALL	residential	485430.6	3619125	0.001619	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
224	ALL	residential	488030.6	3616825	0.001614	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
124	ALL	residential	487474.3	3617419	0.001613	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
54	ALL	residential	487604.5	3617309	0.001613	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
109	ALL	residential	487511.3	3617382	0.001607	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
39	ALL	residential	487629.5	3617289	0.001606	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
102	ALL	residential	487566.8	3617363	0.001602	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
24	ALL	residential	487654.5	3617270	0.001601	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
811	ALL	residential	484930.6	3618825	0.0016	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
709	ALL	residential	486530.6	3618525	0.0016	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
86	ALL	residential	487604.5	3617347	0.0016	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
9	ALL	residential	487679.5	3617251	0.001598	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
118	ALL	residential	487492.8	3617400	0.001597	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
821	ALL	residential	486330.6	3618825	0.001597	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
492	ALL	residential	483930.6	3617925	0.001594	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
70	ALL	residential	487604.5	3617328	0.001594	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
969	ALL	residential	485930.6	3619125	0.001593	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
784	ALL	residential	486430.6	3618725	0.001589	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
321	ALL	residential	487430.6	3617425	0.001588	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
854	ALL	residential	485130.6	3618925	0.001584	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
127	ALL	residential	487473.6	3617435	0.001583	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
372	ALL	residential	484330.6	3617625	0.001582	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
55	ALL	residential	487629.5	3617309	0.001582	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
862	ALL	residential	486230.6	3618925	0.00158	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
110	ALL	residential	487529.8	3617382	0.00158	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
103	ALL	residential	487585.3	3617363	0.00158	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
247	ALL	residential	487930.6	3617025	0.001579	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1986	ALL	Worker	484700	3618900	0.001577	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
40	ALL	residential	487654.5	3617289	0.001574	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
417	ALL	residential	486930.6	3617725	0.001573	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1022	ALL	residential	485630.6	3619225	0.001571	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
25	ALL	residential	487679.5	3617270	0.00157	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1995	ALL	Worker	484300	3619100	0.00157	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
87	ALL	residential	487629.5	3617347	0.001569	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1023	ALL	residential	485730.6	3619225	0.001569	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
10	ALL	residential	487704.5	3617251	0.001567	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
908	ALL	residential	485230.6	3619025	0.001567	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
71	ALL	residential	487629.5	3617328	0.001564	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
119	ALL	residential	487511.3	3617400	0.001562	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
235	ALL	residential	488030.6	3616925	0.001561	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
451	ALL	residential	484030.6	3617825	0.001561	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
569	ALL	residential	483630.6	3618125	0.001561	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
125	ALL	residential	487492.8	3617419	0.001558	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1992	ALL	Worker	484500	3619000	0.001558	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
104	ALL	residential	487603.8	3617363	0.001557	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
211	ALL	residential	488130.6	3616725	0.001557	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
111	ALL	residential	487548.3	3617382	0.001555	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	PIG_DOSE	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_E	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
28	ALL	residential	487754.5	3617270	0.001481	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
43	ALL	residential	487729.5	3617289	0.001481	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
450	ALL	residential	483930.6	3617825	0.00148	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1025	ALL	residential	485930.6	3619225	0.001479	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
212	ALL	residential	488230.6	3616725	0.001478	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
568	ALL	residential	483530.6	3618125	0.001476	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
128	ALL	residential	487656.4	3617366	0.001475	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
499	ALL	residential	486730.6	3617925	0.001473	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
89	ALL	residential	487679.5	3617347	0.001468	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
917	ALL	residential	486230.6	3619025	0.001468	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
115	ALL	residential	487622.3	3617382	0.001467	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
675	ALL	residential	486630.6	3618425	0.001467	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
123	ALL	residential	487585.3	3617400	0.001467	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
962	ALL	residential	485230.6	3619125	0.001466	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
236	ALL	residential	488130.6	3616925	0.001465	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
785	ALL	residential	486530.6	3618725	0.001462	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
530	ALL	residential	483630.6	3618025	0.001457	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1080	ALL	residential	485630.6	3619325	0.001456	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
14	ALL	residential	487804.5	3617251	0.001455	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
74	ALL	residential	487704.5	3617328	0.001454	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
29	ALL	residential	487779.5	3617270	0.001454	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1081	ALL	residential	485730.6	3619325	0.001454	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
44	ALL	residential	487754.5	3617289	0.001453	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
59	ALL	residential	487729.5	3617309	0.001452	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
338	ALL	residential	484330.6	3617525	0.001451	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
408	ALL	residential	484030.6	3617725	0.001451	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
116	ALL	residential	487640.8	3617382	0.001446	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
902	ALL	residential	484630.6	3619025	0.001444	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1064	ALL	residential	484030.6	3619325	0.001444	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
226	ALL	residential	488230.6	3616825	0.001441	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1019	ALL	residential	485330.6	3619225	0.001441	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
490	ALL	residential	483730.6	3617925	0.001436	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
710	ALL	residential	486630.6	3618525	0.001436	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1079	ALL	residential	485530.6	3619325	0.001434	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
418	ALL	residential	487030.6	3617725	0.001434	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
906	ALL	residential	485030.6	3619025	0.001432	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
603	ALL	residential	483330.6	3618225	0.00143	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
15	ALL	residential	487829.5	3617251	0.001429	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
30	ALL	residential	487804.5	3617270	0.001428	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1082	ALL	residential	485830.6	3619325	0.001426	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
45	ALL	residential	487779.5	3617289	0.001426	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
192	ALL	residential	488330.6	3616525	0.001425	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
370	ALL	residential	484130.6	3617625	0.001425	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
60	ALL	residential	487754.5	3617309	0.001424	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
90	ALL	residential	487704.5	3617347	0.001423	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
75	ALL	residential	487729.5	3617328	0.001423	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
954	ALL	residential	484430.6	3619125	0.001423	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
202	ALL	residential	488330.6	3616625	0.001419	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1008	ALL	residential	484230.6	3619225	0.001416	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1026	ALL	residential	486030.6	3619225	0.001411	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	PIG_DOSE	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_E	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
93	ALL	residential	487779.5	3617347	0.001341	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
610	ALL	residential	486730.6	3618225	0.001341	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1137	ALL	residential	485530.6	3619425	0.001338	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
786	ALL	residential	486630.6	3618725	0.001338	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
528	ALL	residential	483430.6	3618025	0.001334	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
634	ALL	residential	483030.6	3618325	0.001333	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1140	ALL	residential	485830.6	3619425	0.001331	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
336	ALL	residential	484130.6	3617525	0.001329	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
214	ALL	residential	488430.6	3616725	0.001328	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
64	ALL	residential	487854.5	3617309	0.001326	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
406	ALL	residential	483830.6	3617725	0.001326	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
642	ALL	residential	486730.6	3618325	0.001326	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
79	ALL	residential	487829.5	3617328	0.001322	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
956	ALL	residential	484630.6	3619125	0.001322	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1084	ALL	residential	486030.6	3619325	0.00132	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
94	ALL	residential	487804.5	3617347	0.001318	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
488	ALL	residential	483530.6	3617925	0.001316	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
919	ALL	residential	486430.6	3619025	0.001315	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
959	ALL	residential	484930.6	3619125	0.001313	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
601	ALL	residential	483130.6	3618225	0.001311	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1017	ALL	residential	485130.6	3619225	0.001311	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
865	ALL	residential	486530.6	3618925	0.00131	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
676	ALL	residential	486730.6	3618425	0.00131	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
250	ALL	residential	488230.6	3617025	0.001306	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
368	ALL	residential	483930.6	3617625	0.001306	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
185	ALL	residential	488530.6	3616425	0.001306	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1136	ALL	residential	485430.6	3619425	0.001304	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
972	ALL	residential	486330.6	3619125	0.001303	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
194	ALL	residential	488530.6	3616525	0.001303	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
312	ALL	residential	484230.6	3617425	0.0013	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
957	ALL	residential	484730.6	3619125	0.0013	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
238	ALL	residential	488330.6	3616925	0.0013	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
80	ALL	residential	487854.5	3617328	0.0013	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
565	ALL	residential	483230.6	3618125	0.001298	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
958	ALL	residential	484830.6	3619125	0.001297	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1122	ALL	residential	484030.6	3619425	0.001296	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
95	ALL	residential	487829.5	3617347	0.001295	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
447	ALL	residential	483630.6	3617825	0.001295	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1010	ALL	residential	484430.6	3619225	0.001292	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1141	ALL	residential	485930.6	3619425	0.001291	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
711	ALL	residential	486730.6	3618525	0.001291	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
204	ALL	residential	488530.6	3616625	0.00129	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1076	ALL	residential	485230.6	3619325	0.001288	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
228	ALL	residential	488430.6	3616825	0.001285	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
527	ALL	residential	483330.6	3618025	0.001282	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
824	ALL	residential	486630.6	3618825	0.001282	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1027	ALL	residential	486230.6	3619225	0.00128	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
335	ALL	residential	484030.6	3617525	0.001278	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
96	ALL	residential	487854.5	3617347	0.001274	9901	DieselExhP

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_E	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
1085	ALL	residential	486230.6	3619325	0.001202	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
346	ALL	residential	487630.6	3617525	0.001202	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1013	ALL	residential	484730.6	3619225	0.001202	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
366	ALL	residential	483730.6	3617625	0.001201	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
216	ALL	residential	488630.6	3616725	0.001199	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
174	ALL	residential	488730.6	3616225	0.001198	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
196	ALL	residential	488730.6	3616525	0.001195	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
643	ALL	residential	486830.6	3618325	0.001195	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1234	ALL	residential	485630.6	3619625	0.001192	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
286	ALL	residential	484130.6	3617325	0.001191	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1235	ALL	residential	485730.6	3619625	0.001188	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
445	ALL	residential	483430.6	3617825	0.001188	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1074	ALL	residential	485030.6	3619325	0.001186	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1190	ALL	residential	485330.6	3619525	0.001183	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
525	ALL	residential	483130.6	3618025	0.001182	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
333	ALL	residential	483830.6	3617525	0.001181	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
825	ALL	residential	486730.6	3618825	0.001181	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
677	ALL	residential	486830.6	3618425	0.00118	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1233	ALL	residential	485530.6	3619625	0.001179	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1177	ALL	residential	484030.6	3619525	0.001178	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
206	ALL	residential	488730.6	3616625	0.001175	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1068	ALL	residential	484430.6	3619325	0.001173	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
403	ALL	residential	483530.6	3617725	0.001173	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
974	ALL	residential	486530.6	3619125	0.001172	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1236	ALL	residential	485830.6	3619625	0.001171	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
562	ALL	residential	482930.6	3618125	0.001168	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1029	ALL	residential	486430.6	3619225	0.001168	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
298	ALL	residential	488030.6	3617325	0.001168	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
485	ALL	residential	483230.6	3617925	0.001167	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1197	ALL	residential	486030.6	3619525	0.001166	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
460	ALL	residential	487130.6	3617825	0.001165	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
712	ALL	residential	486830.6	3618525	0.001165	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
921	ALL	residential	486630.6	3619025	0.001164	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
309	ALL	residential	483930.6	3617425	0.001163	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1124	ALL	residential	484230.6	3619425	0.001162	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
240	ALL	residential	488530.6	3616925	0.001161	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1133	ALL	residential	485130.6	3619425	0.001161	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
181	ALL	residential	488830.6	3616325	0.00116	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
539	ALL	residential	486930.6	3618025	0.001159	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
175	ALL	residential	488830.6	3616225	0.001158	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
188	ALL	residential	488830.6	3616425	0.001157	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
365	ALL	residential	483630.6	3617625	0.001156	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
230	ALL	residential	488630.6	3616825	0.001154	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1086	ALL	residential	486330.6	3619125	0.001151	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
444	ALL	residential	483330.6	3617825	0.001151	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1073	ALL	residential	484930.6	3619325	0.00115	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1232	ALL	residential	485430.6	3619625	0.00115	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
285	ALL	residential	484030.6	3617325	0.001149	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
259	ALL	residential	488330.6	3617125	0.001149	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
524	ALL	residential	483030.6	3618025	0.001148	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_E	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
922	ALL	residential	486730.6	3619025	0.001092	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1188	ALL	residential	485130.6	3619525	0.001092	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
363	ALL	residential	483430.6	3617625	0.00109	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
254	ALL	residential	484130.6	3617125	0.001089	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
307	ALL	residential	483730.6	3617425	0.001088	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
442	ALL	residential	483130.6	3617825	0.001088	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
826	ALL	residential	486830.6	3618825	0.001088	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
218	ALL	residential	488830.6	3616725	0.001088	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1273	ALL	residential	485430.6	3619725	0.001086	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
644	ALL	residential	486930.6	3618325	0.001086	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1144	ALL	residential	486330.6	3619425	0.001086	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1131	ALL	residential	484930.6	3619425	0.001083	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
177	ALL	residential	489030.6	3616225	0.001083	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
461	ALL	residential	487230.6	3617825	0.001083	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
260	ALL	residential	488430.6	3617125	0.001081	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
183	ALL	residential	489030.6	3616325	0.001081	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
172	ALL	residential	489030.6	3616125	0.00108	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1218	ALL	residential	484030.6	3619625	0.001077	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1278	ALL	residential	485930.6	3619725	0.001077	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
482	ALL	residential	482930.6	3617925	0.001076	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1126	ALL	residential	484430.6	3619425	0.001076	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
330	ALL	residential	483530.6	3617525	0.001075	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
283	ALL	residential	483830.6	3617325	0.001075	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
400	ALL	residential	483230.6	3617725	0.001075	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
169	ALL	residential	489030.6	3616025	0.001074	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
208	ALL	residential	488930.6	3616625	0.001074	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1230	ALL	residential	485230.6	3619625	0.001073	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
190	ALL	residential	489030.6	3616425	0.001072	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
678	ALL	residential	486930.6	3618425	0.001072	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
540	ALL	residential	487030.6	3618025	0.001068	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1179	ALL	residential	484230.6	3619525	0.001067	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
277	ALL	residential	488330.6	3617225	0.001064	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
167	ALL	residential	485230.6	3615825	0.001063	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
163	ALL	residential	485430.6	3615625	0.001062	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
441	ALL	residential	483030.6	3617825	0.001062	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
362	ALL	residential	483330.6	3617625	0.001062	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
348	ALL	residential	487830.6	3617525	0.001061	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
166	ALL	residential	485330.6	3615725	0.00106	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
306	ALL	residential	483630.6	3617425	0.00106	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1314	ALL	residential	485630.6	3619825	0.00106	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
421	ALL	residential	487430.6	3617725	0.00106	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1130	ALL	residential	484830.6	3619425	0.001059	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
713	ALL	residential	486930.6	3618525	0.001058	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
158	ALL	residential	485530.6	3619525	0.001058	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
502	ALL	residential	487130.6	3617925	0.001058	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
382	ALL	residential	487630.6	3617625	0.001057	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1239	ALL	residential	486130.6	3619625	0.001056	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1315	ALL	residential	485730.6	3619825	0.001055	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
199	ALL	residential	489030.6	3616525	0.001055	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1088	ALL	residential	486530.6	3619325	0.001054	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_E	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
161	ALL	residential	485230.6	3615625	0.001001	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1146	ALL	residential	486530.6	3619425	0.001	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1311	ALL	residential	485330.6	3619825	0.001	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1357	ALL	residential	485730.6	3619925	0.000999	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
156	ALL	residential	485330.6	3615525	0.000998	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1181	ALL	residential	484430.6	3619525	0.000997	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
422	ALL	residential	487530.6	3617725	0.000997	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
383	ALL	residential	487730.6	3617625	0.000996	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
153	ALL	residential	485430.6	3615425	0.000996	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1355	ALL	residential	485530.6	3619925	0.000995	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1032	ALL	residential	486730.6	3619225	0.000995	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
645	ALL	residential	487030.6	3618325	0.000995	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1228	ALL	residential	485030.6	3619625	0.000993	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1185	ALL	residential	484830.6	3619525	0.000993	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
541	ALL	residential	487130.6	3618025	0.000992	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1259	ALL	residential	484030.6	3619725	0.000991	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
220	ALL	residential	489030.6	3616725	0.00099	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
503	ALL	residential	487230.6	3617925	0.000988	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1318	ALL	residential	486030.6	3619825	0.000987	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1358	ALL	residential	485830.6	3619925	0.000986	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1220	ALL	residential	484230.6	3619625	0.000986	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
210	ALL	residential	489130.6	3616625	0.000984	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
679	ALL	residential	487030.6	3618425	0.000983	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
301	ALL	residential	488330.6	3617325	0.000982	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
977	ALL	residential	486830.6	3619125	0.000982	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1270	ALL	residential	485130.6	3619725	0.000981	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
160	ALL	residential	485130.6	3615625	0.000978	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1182	ALL	residential	484530.6	3619525	0.000978	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1184	ALL	residential	484730.6	3619525	0.000977	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1354	ALL	residential	485430.6	3619925	0.000976	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
869	ALL	residential	486930.6	3618925	0.000976	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1183	ALL	residential	484630.6	3619525	0.000974	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
155	ALL	residential	485230.6	3615525	0.000972	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
152	ALL	residential	485330.6	3615425	0.000969	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
714	ALL	residential	487030.6	3618525	0.000969	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1310	ALL	residential	485230.6	3619825	0.000968	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
261	ALL	residential	488630.6	3617125	0.000966	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1359	ALL	residential	485930.6	3619925	0.000966	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1227	ALL	residential	484930.6	3619625	0.000962	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
159	ALL	residential	485030.6	3615625	0.000962	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1147	ALL	residential	486630.6	3619425	0.000956	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
752	ALL	residential	487030.6	3618625	0.000956	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1221	ALL	residential	484330.6	3619625	0.000955	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
350	ALL	residential	488030.6	3617525	0.000954	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1400	ALL	residential	485630.6	3620025	0.000953	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
463	ALL	residential	487430.6	3617825	0.000952	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
579	ALL	residential	487130.6	3618125	0.000951	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1353	ALL	residential	485330.6	3619925	0.00095	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1090	ALL	residential	486730.6	3619325	0.00095	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1260	ALL	residential	484130.6	3619725	0.00095	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE\	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_D	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
1396	ALL	residential	485230.6	3620025	0.000881	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
925	ALL	residential	487030.6	3619025	0.000881	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
753	ALL	residential	487130.6	3618625	0.000879	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1263	ALL	residential	484430.6	3619725	0.000878	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1307	ALL	residential	484930.6	3619825	0.000877	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1449	ALL	residential	485930.6	3620125	0.000875	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1264	ALL	residential	484530.6	3619725	0.000872	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
262	ALL	residential	488830.6	3617125	0.000871	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
505	ALL	residential	487430.6	3617925	0.000871	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1265	ALL	residential	484630.6	3619725	0.000871	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
352	ALL	residential	488230.6	3617525	0.000868	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
543	ALL	residential	487330.6	3618025	0.000867	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
791	ALL	residential	487130.6	3618725	0.000866	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1443	ALL	residential	485330.6	3620125	0.000864	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1350	ALL	residential	485030.6	3619925	0.000863	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1149	ALL	residential	486830.6	3619425	0.000861	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
615	ALL	residential	487230.6	3618225	0.000861	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
386	ALL	residential	488030.6	3617625	0.00086	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1300	ALL	residential	484230.6	3619825	0.00086	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1340	ALL	residential	484030.6	3619925	0.000858	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1306	ALL	residential	484830.6	3619825	0.000857	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1092	ALL	residential	486930.6	3619325	0.000856	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
829	ALL	residential	487130.6	3618825	0.000855	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
322	ALL	residential	488430.6	3617425	0.000854	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
241	ALL	residential	489130.6	3616925	0.000854	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
979	ALL	residential	487030.6	3619125	0.000854	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1395	ALL	residential	485130.6	3620025	0.000853	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
647	ALL	residential	487230.6	3618325	0.000849	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
425	ALL	residential	487830.6	3617725	0.000848	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1489	ALL	residential	485430.6	3620225	0.000844	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
252	ALL	residential	489030.6	3617025	0.000843	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1442	ALL	residential	485230.6	3620125	0.000842	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
871	ALL	residential	487130.6	3618925	0.000842	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1301	ALL	residential	484330.6	3619825	0.000841	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
681	ALL	residential	487230.6	3618425	0.00084	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1305	ALL	residential	484730.6	3619825	0.000839	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1349	ALL	residential	484930.6	3619925	0.000838	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1302	ALL	residential	484430.6	3619825	0.00083	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
263	ALL	residential	488930.6	3617125	0.00083	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1341	ALL	residential	484130.6	3619925	0.00083	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1035	ALL	residential	487030.6	3619225	0.00083	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1304	ALL	residential	484630.6	3619825	0.000828	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
716	ALL	residential	487230.6	3618525	0.000828	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
581	ALL	residential	487330.6	3618125	0.000827	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1488	ALL	residential	485330.6	3620225	0.000826	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1303	ALL	residential	484530.6	3619825	0.000825	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1394	ALL	residential	485030.6	3620025	0.000825	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
353	ALL	residential	488330.6	3617525	0.000825	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
387	ALL	residential	488130.6	3617625	0.000823	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
926	ALL	residential	487130.6	3619025	0.000823	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1150	ALL	residential	486930.6	3619425	0.00082	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1348	ALL	residential	484830.6	3619925	0.000818	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1441	ALL	residential	485130.6	3620125	0.000818	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
544	ALL	residential	487430.6	3618025	0.000816	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
279	ALL	residential	488830.6	3617225	0.000814	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
754	ALL	residential	487230.6	3618625	0.000814	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
426	ALL	residential	487930.6	3617725	0.000811	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
323	ALL	residential	488530.6	3617425	0.000811	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1342	ALL	residential	484230.6	3619925	0.000808	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1384	ALL	residential	484030.6	3620025	0.000808	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1531	ALL	residential	485430.6	3620325	0.000807	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1487	ALL	residential	485230.6	3620225	0.000807	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1093	ALL	residential	487030.6	3619325	0.000806	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
253	ALL	residential	489130.6	3617025	0.000805	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
616	ALL	residential	487330.6	3618225	0.000801	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
792	ALL	residential	487230.6	3618725	0.000801	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1347	ALL	residential	484730.6	3619925	0.000801	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1393	ALL	residential	484930.6	3620025	0.0008	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
980	ALL	residential	487130.6	3619125	0.000799	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1343	ALL	residential	484330.6	3619925	0.000794	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
264	ALL	residential	489030.6	3617125	0.000793	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1440	ALL	residential	485030.6	3620125	0.000792	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1530	ALL	residential	485330.6	3620325	0.000791	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1346	ALL	residential	484630.6	3619925	0.00079	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
830	ALL	residential	487230.6	3618825	0.00079	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
648	ALL	residential	487330.6	3618325	0.00079	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
388	ALL	residential	488230.6	3617625	0.000789	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1344	ALL	residential	484430.6	3619925	0.000786	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1486	ALL	residential	485130.6	3620225	0.000785	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
354	ALL	residential	488430.6	3617525	0.000785	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1345	ALL	residential	484530.6	3619925	0.000784	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
682	ALL	residential	487330.6	3618425	0.000782	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1392	ALL	residential	484830.6	3620025	0.000782	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1385	ALL	residential	484130.6	3620025	0.000781	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
872	ALL	residential	487230.6	3618925	0.00078	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
427	ALL	residential	488030.6	3617725	0.000779	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1151	ALL	residential	487030.6	3619425	0.000778	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
280	ALL	residential	488930.6	3617225	0.000778	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
582	ALL	residential	487430.6	3618125	0.000777	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1036	ALL	residential	487130.6	3619225	0.000775	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1571	ALL	residential	485430.6	3620425	0.000774	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1529	ALL	residential	485230.6	3620325	0.000774	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
717	ALL	residential	487330.6	3618525	0.000771	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
927	ALL	residential	487230.6	3619025	0.000768	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1439	ALL	residential	484930.6	3620125	0.000767	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1391	ALL	residential	484730.6	3620025	0.000766	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1430	ALL	residential	484030.6	3620125	0.000766	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1386	ALL	residential	484230.6	3620025	0.000764	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1485	ALL	residential	485030.6	3620225	0.000761	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1570	ALL	residential	485330.6	3620425	0.000759	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
302	ALL	residential	488830.6	3617325	0.000759	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
755	ALL	residential	487330.6	3618625	0.000758	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE\	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_D	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
265	ALL	residential	489130.6	3617125	0.000758	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1390	ALL	residential	484630.6	3620025	0.000755	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
389	ALL	residential	488330.6	3617625	0.000755	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1528	ALL	residential	485130.6	3620325	0.000754	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1094	ALL	residential	487130.6	3619325	0.000753	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1387	ALL	residential	484330.6	3620025	0.000752	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
617	ALL	residential	487430.6	3618225	0.000751	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
981	ALL	residential	487230.6	3619125	0.00075	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
428	ALL	residential	488130.6	3617725	0.000748	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1438	ALL	residential	484830.6	3620125	0.000748	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1388	ALL	residential	484430.6	3620025	0.000747	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
355	ALL	residential	488530.6	3617525	0.000747	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1389	ALL	residential	484530.6	3620025	0.000747	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
793	ALL	residential	487330.6	3618725	0.000745	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1569	ALL	residential	485230.6	3620425	0.000743	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
281	ALL	residential	489030.6	3617225	0.000743	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1609	ALL	residential	485430.6	3620525	0.000742	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1431	ALL	residential	484130.6	3620125	0.00074	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
468	ALL	residential	487930.6	3617825	0.000738	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1484	ALL	residential	484930.6	3620225	0.000737	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
649	ALL	residential	487430.6	3618325	0.000737	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
324	ALL	residential	488730.6	3617425	0.000736	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
831	ALL	residential	487330.6	3618825	0.000734	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1437	ALL	residential	484730.6	3620125	0.000733	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1527	ALL	residential	485030.6	3620325	0.000733	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1152	ALL	residential	487130.6	3619425	0.000732	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
683	ALL	residential	487430.6	3618425	0.00073	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1608	ALL	residential	485330.6	3620525	0.000729	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1037	ALL	residential	487230.6	3619225	0.000728	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1475	ALL	residential	484030.6	3620225	0.000728	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1568	ALL	residential	485130.6	3620425	0.000726	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1432	ALL	residential	484230.6	3620125	0.000725	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
303	ALL	residential	488930.6	3617325	0.000725	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
873	ALL	residential	487330.6	3618925	0.000724	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
718	ALL	residential	487430.6	3618525	0.000722	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1436	ALL	residential	484630.6	3620125	0.000722	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
390	ALL	residential	488430.6	3617625	0.00072	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
429	ALL	residential	488230.6	3617725	0.00072	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1483	ALL	residential	484830.6	3620225	0.000718	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
928	ALL	residential	487330.6	3619025	0.000715	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1607	ALL	residential	485230.6	3620525	0.000715	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1433	ALL	residential	484330.6	3620125	0.000715	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1435	ALL	residential	484530.6	3620125	0.000714	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1639	ALL	residential	485430.6	3620625	0.000713	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
282	ALL	residential	489130.6	3617225	0.000712	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1434	ALL	residential	484430.6	3620125	0.000712	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
469	ALL	residential	488030.6	3617825	0.000711	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1526	ALL	residential	484930.6	3620325	0.00071	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
756	ALL	residential	487430.6	3618625	0.000709	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
618	ALL	residential	487530.6	3618225	0.000707	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1567	ALL	residential	485030.6	3620425	0.000705	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1476	ALL	residential	484130.6	3620225	0.000705	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1095	ALL	residential	487230.6	3619325	0.000705	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
325	ALL	residential	488830.6	3617425	0.000704	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
982	ALL	residential	487330.6	3619125	0.000703	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1482	ALL	residential	484730.6	3620225	0.000703	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1638	ALL	residential	485330.6	3620625	0.000702	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1606	ALL	residential	485130.6	3620525	0.000698	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
794	ALL	residential	487430.6	3618725	0.000697	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
304	ALL	residential	489030.6	3617325	0.000694	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1517	ALL	residential	484030.6	3620325	0.000693	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
430	ALL	residential	488330.6	3617725	0.000692	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
650	ALL	residential	487530.6	3618325	0.000692	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1477	ALL	residential	484230.6	3620225	0.000691	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1481	ALL	residential	484630.6	3620225	0.000691	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1525	ALL	residential	484830.6	3620325	0.00069	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
391	ALL	residential	488530.6	3617625	0.000687	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1637	ALL	residential	485230.6	3620625	0.000686	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
832	ALL	residential	487430.6	3618825	0.000686	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1038	ALL	residential	487330.6	3619225	0.000685	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1566	ALL	residential	484930.6	3620425	0.000685	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1153	ALL	residential	487230.6	3619425	0.000684	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
684	ALL	residential	487530.6	3618425	0.000684	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1480	ALL	residential	484530.6	3620225	0.000683	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1478	ALL	residential	484330.6	3620225	0.000682	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
356	ALL	residential	488730.6	3617525	0.00068	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
510	ALL	residential	487930.6	3617925	0.00068	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1605	ALL	residential	485030.6	3620525	0.00068	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1479	ALL	residential	484430.6	3620225	0.00068	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
719	ALL	residential	487530.6	3618525	0.000677	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
874	ALL	residential	487430.6	3618925	0.000675	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1524	ALL	residential	484730.6	3620325	0.000675	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
326	ALL	residential	488930.6	3617425	0.000673	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1636	ALL	residential	485130.6	3620625	0.000672	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1518	ALL	residential	484130.6	3620325	0.00067	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
619	ALL	residential	487630.6	3618225	0.000669	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
929	ALL	residential	487430.6	3619025	0.000667	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
757	ALL	residential	487530.6	3618625	0.000667	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
305	ALL	residential	489130.6	3617325	0.000665	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1565	ALL	residential	484830.6	3620425	0.000665	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1096	ALL	residential	487330.6	3619325	0.000664	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
431	ALL	residential	488430.6	3617725	0.000664	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1523	ALL	residential	484630.6	3620325	0.000663	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1604	ALL	residential	484930.6	3620525	0.00066	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
983	ALL	residential	487430.6	3619125	0.000659	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
392	ALL	residential	488630.6	3617625	0.000658	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1519	ALL	residential	484230.6	3620325	0.000657	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1557	ALL	residential	484030.6	3620425	0.000657	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1635	ALL	residential	485030.6	3620625	0.000656	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
511	ALL	residential	488030.6	3617925	0.000655	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1522	ALL	residential	484530.6	3620325	0.000654	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
795	ALL	residential	487530.6	3618725	0.000654	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_E	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
357	ALL	residential	488830.6	3617525	0.000652	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
651	ALL	residential	487630.6	3618325	0.000652	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1520	ALL	residential	484330.6	3620325	0.00065	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1521	ALL	residential	484430.6	3620325	0.00065	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1564	ALL	residential	484730.6	3620425	0.000649	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1039	ALL	residential	487430.6	3619225	0.000646	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
327	ALL	residential	489030.6	3617425	0.000646	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
833	ALL	residential	487530.6	3618825	0.000644	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
685	ALL	residential	487630.6	3618425	0.000642	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1154	ALL	residential	487330.6	3619425	0.000642	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1603	ALL	residential	484830.6	3620525	0.000642	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1558	ALL	residential	484130.6	3620425	0.000637	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
472	ALL	residential	488330.6	3617825	0.000637	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
720	ALL	residential	487630.6	3618525	0.000636	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
549	ALL	residential	487930.6	3618025	0.000636	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1563	ALL	residential	484630.6	3620425	0.000636	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
620	ALL	residential	487730.6	3618225	0.000635	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
432	ALL	residential	488530.6	3617725	0.000634	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
875	ALL	residential	487530.6	3618925	0.000634	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
393	ALL	residential	488730.6	3617625	0.000629	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1097	ALL	residential	487430.6	3619325	0.000629	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
758	ALL	residential	487630.6	3618625	0.000628	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1562	ALL	residential	484530.6	3620425	0.000628	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1602	ALL	residential	484730.6	3620525	0.000626	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1595	ALL	residential	484030.6	3620525	0.000625	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1559	ALL	residential	484230.6	3620425	0.000625	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
358	ALL	residential	488930.6	3617525	0.000624	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
930	ALL	residential	487530.6	3619025	0.000624	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1561	ALL	residential	484430.6	3620425	0.000622	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1560	ALL	residential	484330.6	3620425	0.00062	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
328	ALL	residential	489130.6	3617425	0.00062	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
796	ALL	residential	487630.6	3618725	0.000617	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
652	ALL	residential	487730.6	3618325	0.000617	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
984	ALL	residential	487530.6	3619125	0.000616	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
473	ALL	residential	488430.6	3617825	0.000615	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1601	ALL	residential	484630.6	3620525	0.000615	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
550	ALL	residential	488030.6	3618025	0.000611	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1596	ALL	residential	484130.6	3620525	0.000609	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
149	ALL	residential	489651	3613672	0.000609	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1040	ALL	residential	487530.6	3619225	0.000608	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
433	ALL	residential	488630.6	3617725	0.000608	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
834	ALL	residential	487630.6	3618825	0.000606	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1155	ALL	residential	487430.6	3619425	0.000606	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1600	ALL	residential	484530.6	3620525	0.000605	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
686	ALL	residential	487730.6	3618425	0.000605	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
621	ALL	residential	487830.6	3618225	0.000605	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
587	ALL	residential	487930.6	3618125	0.000603	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
394	ALL	residential	488830.6	3617625	0.000603	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1854	ALL	residential	482630.6	3621225	0.0006	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
721	ALL	residential	487730.6	3618525	0.000599	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE\SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\RESP	SKIN	EYE	BONE/TEETENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_E	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
553	ALL	residential	488330.6	3618025	0.000553	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1709	ALL	residential	484030.6	3620825	0.00055	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1683	ALL	residential	479030.6	3620825	0.00055	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
516	ALL	residential	488530.6	3617925	0.000549	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1157	ALL	residential	487630.6	3619425	0.000549	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
986	ALL	residential	487730.6	3619125	0.000546	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1731	ALL	residential	479230.6	3620925	0.000545	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
836	ALL	residential	487830.6	3618825	0.000545	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1713	ALL	residential	484430.6	3620825	0.000544	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
688	ALL	residential	487930.6	3618425	0.000543	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1742	ALL	residential	483930.6	3620925	0.000543	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
476	ALL	residential	488730.6	3617825	0.000543	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1710	ALL	residential	484130.6	3620825	0.000541	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1764	ALL	residential	479430.6	3621025	0.00054	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
590	ALL	residential	488230.6	3618125	0.00054	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1830	ALL	residential	480030.6	3621225	0.000539	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1712	ALL	residential	484330.6	3620825	0.000539	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1791	ALL	residential	479630.6	3621125	0.000539	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
436	ALL	residential	488930.6	3617725	0.000539	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1768	ALL	residential	483830.6	3621025	0.000538	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1042	ALL	residential	487730.6	3619225	0.000538	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1711	ALL	residential	484230.6	3620825	0.000537	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
397	ALL	residential	489130.6	3617625	0.000536	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
723	ALL	residential	487930.6	3618525	0.000536	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
554	ALL	residential	488430.6	3618025	0.000535	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
878	ALL	residential	487830.6	3618925	0.000535	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1682	ALL	residential	478930.6	3620825	0.000534	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1829	ALL	residential	479930.6	3621225	0.000534	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
655	ALL	residential	488030.6	3618325	0.000534	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
624	ALL	residential	488130.6	3618225	0.000533	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
761	ALL	residential	487930.6	3618625	0.000531	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1743	ALL	residential	484030.6	3620925	0.000531	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1100	ALL	residential	487730.6	3619325	0.00053	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1730	ALL	residential	479130.6	3620925	0.000529	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
517	ALL	residential	488630.6	3617925	0.000528	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
933	ALL	residential	487830.6	3619025	0.000526	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
799	ALL	residential	487930.6	3618725	0.000526	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1828	ALL	residential	479830.6	3621225	0.000526	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1746	ALL	residential	484330.6	3620925	0.000524	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1744	ALL	residential	484130.6	3620925	0.000524	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1763	ALL	residential	479330.6	3621025	0.000524	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1769	ALL	residential	483930.6	3621025	0.000523	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1790	ALL	residential	479530.6	3621125	0.000523	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
591	ALL	residential	488330.6	3618125	0.000523	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1745	ALL	residential	484230.6	3620925	0.000522	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
477	ALL	residential	488830.6	3617825	0.000522	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1158	ALL	residential	487730.6	3619425	0.000521	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
689	ALL	residential	488030.6	3618425	0.000519	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
437	ALL	residential	489030.6	3617725	0.000519	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
837	ALL	residential	487930.6	3618825	0.000518	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
555	ALL	residential	488530.6	3618025	0.000518	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1804	ALL	residential	483830.6	3621125	0.000517	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
987	ALL	residential	487830.6	3619125	0.000517	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1827	ALL	residential	479730.6	3621225	0.000516	9901	DieselExhP\NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
625	ALL	residential	488230.6	3618225	0.000515	9901	DieselExhP\NonCancer	0.00E+00

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_D	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
1857	ALL	residential	484030.6	3621225	0.000484	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1044	ALL	residential	487930.6	3619225	0.000483	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1858	ALL	residential	484130.6	3621225	0.000483	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
627	ALL	residential	488430.6	3618225	0.000481	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
763	ALL	residential	488130.6	3618625	0.00048	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
691	ALL	residential	488230.6	3618425	0.000479	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
658	ALL	residential	488330.6	3618325	0.000478	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
557	ALL	residential	488730.6	3618025	0.000478	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
935	ALL	residential	488030.6	3619025	0.000477	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1760	ALL	residential	479030.6	3621025	0.000477	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
801	ALL	residential	488130.6	3618725	0.000476	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1787	ALL	residential	479230.6	3621125	0.000476	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1102	ALL	residential	487930.6	3619325	0.000474	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1824	ALL	residential	479430.6	3621225	0.000473	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
839	ALL	residential	488130.6	3618825	0.000472	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1727	ALL	residential	478830.6	3620925	0.000471	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
594	ALL	residential	488630.6	3618125	0.00047	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
520	ALL	residential	488930.6	3617925	0.00047	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1590	ALL	residential	478430.6	3620525	0.000469	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
989	ALL	residential	488030.6	3619125	0.000469	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
480	ALL	residential	489130.6	3617825	0.000468	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
628	ALL	residential	488530.6	3618225	0.000466	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
726	ALL	residential	488230.6	3618525	0.000466	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
881	ALL	residential	488130.6	3618925	0.000465	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
844	ALL	residential	477730.6	3618925	0.000465	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
659	ALL	residential	488430.6	3618325	0.000462	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
692	ALL	residential	488330.6	3618425	0.000462	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1045	ALL	residential	488030.6	3619225	0.000462	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1786	ALL	residential	479130.6	3621125	0.00046	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
558	ALL	residential	488830.6	3618025	0.00046	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
764	ALL	residential	488230.6	3618625	0.000459	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1759	ALL	residential	478930.6	3621025	0.000459	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1656	ALL	residential	478530.6	3620725	0.000458	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
936	ALL	residential	488130.6	3619025	0.000457	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1823	ALL	residential	479330.6	3621225	0.000457	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1551	ALL	residential	478330.6	3620425	0.000455	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1679	ALL	residential	478630.6	3620825	0.000455	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
802	ALL	residential	488230.6	3618725	0.000455	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
521	ALL	residential	489030.6	3617925	0.000454	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
595	ALL	residential	488730.6	3618125	0.000452	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
891	ALL	residential	477730.6	3619025	0.000452	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
840	ALL	residential	488230.6	3618825	0.000451	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
629	ALL	residential	488630.6	3618225	0.00045	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
727	ALL	residential	488330.6	3618525	0.00045	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
990	ALL	residential	488130.6	3619125	0.000449	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
660	ALL	residential	488530.6	3618325	0.000448	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1626	ALL	residential	478430.6	3620625	0.000448	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
693	ALL	residential	488430.6	3618425	0.000447	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1726	ALL	residential	478730.6	3620925	0.000446	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
882	ALL	residential	488230.6	3618925	0.000446	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1785	ALL	residential	479030.6	3621125	0.000443	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
559	ALL	residential	488930.6	3618025	0.000443	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1822	ALL	residential	479230.6	3621225	0.000442	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
765	ALL	residential	488330.6	3618625	0.000441	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1509	ALL	residential	478230.6	3620325	0.000441	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
937	ALL	residential	488230.6	3619025	0.000439	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
945	ALL	residential	477730.6	3619125	0.000438	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1758	ALL	residential	478830.6	3621025	0.000438	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
522	ALL	residential	489130.6	3617925	0.000438	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
803	ALL	residential	488330.6	3618725	0.000436	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
596	ALL	residential	488830.6	3618125	0.000435	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
728	ALL	residential	488430.6	3618525	0.000434	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1589	ALL	residential	478330.6	3620525	0.000434	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
630	ALL	residential	488730.6	3618225	0.000433	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
661	ALL	residential	488630.6	3618325	0.000432	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
694	ALL	residential	488530.6	3618425	0.000432	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
841	ALL	residential	488330.6	3618825	0.000432	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1821	ALL	residential	479130.6	3621225	0.000428	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
883	ALL	residential	488330.6	3618925	0.000428	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
560	ALL	residential	489030.6	3618025	0.000427	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1784	ALL	residential	478930.6	3621125	0.000425	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
766	ALL	residential	488430.6	3618625	0.000425	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1001	ALL	residential	477730.6	3619225	0.000425	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1678	ALL	residential	478530.6	3620825	0.000424	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1655	ALL	residential	478430.6	3620725	0.000422	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1725	ALL	residential	478630.6	3620925	0.00042	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
597	ALL	residential	488930.6	3618125	0.000419	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
729	ALL	residential	488530.6	3618525	0.000419	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
804	ALL	residential	488430.6	3618725	0.000418	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
695	ALL	residential	488630.6	3618425	0.000418	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1550	ALL	residential	478230.6	3620425	0.000418	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
631	ALL	residential	488830.6	3618225	0.000417	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
662	ALL	residential	488730.6	3618325	0.000416	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1757	ALL	residential	478730.6	3621025	0.000414	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
842	ALL	residential	488430.6	3618825	0.000414	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1625	ALL	residential	478330.6	3620625	0.000413	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
561	ALL	residential	489130.6	3618025	0.000412	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1820	ALL	residential	479030.6	3621225	0.000411	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1056	ALL	residential	477730.6	3619325	0.00041	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
767	ALL	residential	488530.6	3618625	0.000409	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1783	ALL	residential	478830.6	3621125	0.000407	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
730	ALL	residential	488630.6	3618525	0.000406	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
598	ALL	residential	489030.6	3618125	0.000404	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
805	ALL	residential	488530.6	3618725	0.000403	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
696	ALL	residential	488730.6	3618425	0.000403	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
632	ALL	residential	488930.6	3618225	0.000401	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
663	ALL	residential	488830.6	3618325	0.0004	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1508	ALL	residential	478130.6	3620325	0.0004	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1588	ALL	residential	478230.6	3620525	0.0004	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
768	ALL	residential	488630.6	3618625	0.000396	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1819	ALL	residential	478930.6	3621225	0.000396	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1724	ALL	residential	478530.6	3620925	0.000392	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE\	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_[	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
1654	ALL	residential	478330.6	3620725	0.000392	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1677	ALL	residential	478430.6	3620825	0.000392	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
731	ALL	residential	488730.6	3618525	0.000391	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
599	ALL	residential	489130.6	3618125	0.000391	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1756	ALL	residential	478630.6	3621025	0.00039	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
697	ALL	residential	488830.6	3618425	0.000387	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
633	ALL	residential	489030.6	3618225	0.000387	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1782	ALL	residential	478730.6	3621125	0.000387	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
664	ALL	residential	488930.6	3618325	0.000385	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1113	ALL	residential	477730.6	3619425	0.000385	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1624	ALL	residential	478230.6	3620625	0.000383	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
843	ALL	residential	477630.6	3618925	0.000382	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1549	ALL	residential	478130.6	3620425	0.000381	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1818	ALL	residential	478830.6	3621225	0.000379	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1463	ALL	residential	478030.6	3620225	0.000378	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1291	ALL	residential	477830.6	3619825	0.000377	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
890	ALL	residential	477630.6	3619025	0.000375	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1587	ALL	residential	478130.6	3620525	0.000367	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1755	ALL	residential	478530.6	3621025	0.000367	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
944	ALL	residential	477630.6	3619125	0.000367	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1723	ALL	residential	478430.6	3620925	0.000366	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1676	ALL	residential	478330.6	3620825	0.000365	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1781	ALL	residential	478630.6	3621125	0.000365	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1653	ALL	residential	478230.6	3620725	0.000365	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1817	ALL	residential	478730.6	3621225	0.000361	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1170	ALL	residential	477730.6	3619525	0.00036	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1507	ALL	residential	478030.6	3620325	0.00036	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1000	ALL	residential	477630.6	3619225	0.000359	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1417	ALL	residential	477930.6	3620125	0.000356	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1330	ALL	residential	477830.6	3619925	0.000354	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1623	ALL	residential	478130.6	3620625	0.000353	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1055	ALL	residential	477630.6	3619325	0.000348	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1548	ALL	residential	478030.6	3620425	0.000348	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1780	ALL	residential	478530.6	3621125	0.000345	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1754	ALL	residential	478430.6	3621025	0.000345	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1210	ALL	residential	477730.6	3619625	0.000344	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1722	ALL	residential	478330.6	3620925	0.000344	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1675	ALL	residential	478230.6	3620825	0.000342	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1816	ALL	residential	478630.6	3621225	0.000342	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1652	ALL	residential	478130.6	3620725	0.00034	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1586	ALL	residential	478030.6	3620525	0.000337	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1462	ALL	residential	477930.6	3620225	0.000334	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1372	ALL	residential	477830.6	3620025	0.000331	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1112	ALL	residential	477630.6	3619425	0.000329	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1251	ALL	residential	477730.6	3619725	0.000328	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1622	ALL	residential	478030.6	3620625	0.000327	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1779	ALL	residential	478430.6	3621125	0.000326	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1753	ALL	residential	478330.6	3621025	0.000326	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1815	ALL	residential	478530.6	3621225	0.000326	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1721	ALL	residential	478230.6	3620925	0.000324	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
889	ALL	residential	477530.6	3619025	0.000323	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1506	ALL	residential	477930.6	3620325	0.000321	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1674	ALL	residential	478130.6	3620825	0.000319	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
943	ALL	residential	477530.6	3619125	0.000319	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1651	ALL	residential	478030.6	3620725	0.000315	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1547	ALL	residential	477930.6	3620425	0.000314	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
999	ALL	residential	477530.6	3619225	0.000313	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1290	ALL	residential	477730.6	3619825	0.00031	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1814	ALL	residential	478430.6	3621225	0.00031	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1778	ALL	residential	478330.6	3621125	0.00031	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1752	ALL	residential	478230.6	3621025	0.000308	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1416	ALL	residential	477830.6	3620125	0.000307	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1585	ALL	residential	477930.6	3620525	0.000307	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1169	ALL	residential	477630.6	3619525	0.000306	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1720	ALL	residential	478130.6	3620925	0.000304	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1054	ALL	residential	477530.6	3619325	0.000302	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1621	ALL	residential	477930.6	3620625	0.000299	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1673	ALL	residential	478030.6	3620825	0.000298	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1813	ALL	residential	478330.6	3621225	0.000294	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1329	ALL	residential	477730.6	3619925	0.000294	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1777	ALL	residential	478230.6	3621125	0.000292	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1650	ALL	residential	477930.6	3620725	0.00029	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1751	ALL	residential	478130.6	3621025	0.000289	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1461	ALL	residential	477830.6	3620225	0.000289	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1209	ALL	residential	477630.6	3619625	0.000287	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
888	ALL	residential	477430.6	3619025	0.000284	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1505	ALL	residential	477830.6	3620325	0.000284	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1719	ALL	residential	478030.6	3620925	0.000283	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1111	ALL	residential	477530.6	3619425	0.000283	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1546	ALL	residential	477830.6	3620425	0.000282	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
942	ALL	residential	477430.6	3619125	0.000281	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1812	ALL	residential	478230.6	3621225	0.000279	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1371	ALL	residential	477730.6	3620025	0.000277	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1584	ALL	residential	477830.6	3620525	0.000277	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1672	ALL	residential	477930.6	3620825	0.000276	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1776	ALL	residential	478130.6	3621125	0.000275	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
998	ALL	residential	477430.6	3619225	0.000275	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1750	ALL	residential	478030.6	3621025	0.000272	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1620	ALL	residential	477830.6	3620625	0.000271	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1250	ALL	residential	477630.6	3619725	0.000269	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1718	ALL	residential	477930.6	3620925	0.000264	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1168	ALL	residential	477530.6	3619525	0.000264	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1649	ALL	residential	477830.6	3620725	0.000264	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1811	ALL	residential	478130.6	3621225	0.000263	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1415	ALL	residential	477730.6	3620125	0.000262	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1053	ALL	residential	477430.6	3619325	0.00026	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1545	ALL	residential	477730.6	3620425	0.00026	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1504	ALL	residential	477730.6	3620325	0.000259	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1460	ALL	residential	477730.6	3620225	0.000259	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1775	ALL	residential	478030.6	3621125	0.000257	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1671	ALL	residential	477830.6	3620825	0.000257	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1289	ALL	residential	477630.6	3619825	0.000256	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE\	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_D	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
1583	ALL	residential	477730.6	3620525	0.000252	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1749	ALL	residential	477930.6	3621025	0.000251	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1328	ALL	residential	477630.6	3619925	0.000251	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1370	ALL	residential	477630.6	3620025	0.00025	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
887	ALL	residential	477330.6	3619025	0.000248	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1717	ALL	residential	477830.6	3620925	0.000248	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1414	ALL	residential	477630.6	3620125	0.000248	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1208	ALL	residential	477530.6	3619625	0.000247	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1619	ALL	residential	477730.6	3620625	0.000247	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1810	ALL	residential	478030.6	3621225	0.000246	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1459	ALL	residential	477630.6	3620225	0.000245	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
941	ALL	residential	477330.6	3619125	0.000245	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1648	ALL	residential	477730.6	3620725	0.000244	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1110	ALL	residential	477430.6	3619425	0.000244	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1503	ALL	residential	477630.6	3620325	0.000243	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1544	ALL	residential	477630.6	3620425	0.000241	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1670	ALL	residential	477730.6	3620825	0.000239	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1748	ALL	residential	477830.6	3621025	0.000239	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
997	ALL	residential	477330.6	3619225	0.000238	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1774	ALL	residential	477930.6	3621125	0.000238	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1582	ALL	residential	477630.6	3620525	0.000238	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1249	ALL	residential	477530.6	3619725	0.000237	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1288	ALL	residential	477530.6	3619825	0.000236	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1716	ALL	residential	477730.6	3620925	0.000235	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1369	ALL	residential	477530.6	3620025	0.000235	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1327	ALL	residential	477530.6	3619925	0.000235	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1413	ALL	residential	477530.6	3620125	0.000235	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1618	ALL	residential	477630.6	3620625	0.000234	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1458	ALL	residential	477530.6	3620225	0.000233	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1647	ALL	residential	477630.6	3620725	0.000231	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1502	ALL	residential	477530.6	3620325	0.000231	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1167	ALL	residential	477430.6	3619525	0.00023	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1809	ALL	residential	477930.6	3621225	0.00023	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1747	ALL	residential	477730.6	3621025	0.000229	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1543	ALL	residential	477530.6	3620425	0.000229	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1773	ALL	residential	477830.6	3621125	0.000228	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1669	ALL	residential	477630.6	3620825	0.000227	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1581	ALL	residential	477530.6	3620525	0.000226	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1052	ALL	residential	477330.6	3619325	0.000226	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1207	ALL	residential	477430.6	3619625	0.000224	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1617	ALL	residential	477530.6	3620625	0.000224	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1715	ALL	residential	477630.6	3620925	0.000222	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1326	ALL	residential	477430.6	3619925	0.000221	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1412	ALL	residential	477430.6	3620125	0.000221	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1368	ALL	residential	477430.6	3620025	0.000221	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1457	ALL	residential	477430.6	3620225	0.000221	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1248	ALL	residential	477430.6	3619725	0.000221	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1646	ALL	residential	477530.6	3620725	0.000221	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1287	ALL	residential	477430.6	3619825	0.000221	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1501	ALL	residential	477430.6	3620325	0.00022	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1109	ALL	residential	477330.6	3619425	0.000218	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1542	ALL	residential	477430.6	3620425	0.000218	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
940	ALL	residential	477230.6	3619125	0.000218	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1668	ALL	residential	477530.6	3620825	0.000217	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
886	ALL	residential	477230.6	3619025	0.000217	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1580	ALL	residential	477430.6	3620525	0.000216	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
996	ALL	residential	477230.6	3619225	0.000215	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1166	ALL	residential	477330.6	3619525	0.000214	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1616	ALL	residential	477430.6	3620625	0.000214	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1714	ALL	residential	477530.6	3620925	0.000213	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1645	ALL	residential	477430.6	3620725	0.000212	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1206	ALL	residential	477330.6	3619625	0.000211	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1051	ALL	residential	477230.6	3619325	0.00021	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1456	ALL	residential	477330.6	3620225	0.00021	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1411	ALL	residential	477330.6	3620125	0.00021	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1367	ALL	residential	477330.6	3620025	0.00021	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1325	ALL	residential	477330.6	3619925	0.00021	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1286	ALL	residential	477330.6	3619825	0.000209	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1247	ALL	residential	477330.6	3619725	0.000209	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1500	ALL	residential	477330.6	3620325	0.000209	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1667	ALL	residential	477430.6	3620825	0.000209	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1541	ALL	residential	477330.6	3620425	0.000207	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1579	ALL	residential	477330.6	3620525	0.000206	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1108	ALL	residential	477230.6	3619425	0.000205	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1615	ALL	residential	477330.6	3620625	0.000205	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
939	ALL	residential	477130.6	3619125	0.000203	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1644	ALL	residential	477330.6	3620725	0.000203	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
885	ALL	residential	477130.6	3619025	0.000202	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
995	ALL	residential	477130.6	3619225	0.000202	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1165	ALL	residential	477230.6	3619525	0.000201	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1205	ALL	residential	477230.6	3619625	0.000199	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1050	ALL	residential	477130.6	3619325	0.000199	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1455	ALL	residential	477230.6	3620225	0.000198	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1499	ALL	residential	477230.6	3620325	0.000198	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1410	ALL	residential	477230.6	3620125	0.000198	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1366	ALL	residential	477230.6	3620025	0.000197	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1324	ALL	residential	477230.6	3619925	0.000197	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1285	ALL	residential	477230.6	3619825	0.000197	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1540	ALL	residential	477230.6	3620425	0.000197	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1246	ALL	residential	477230.6	3619725	0.000197	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1578	ALL	residential	477230.6	3620525	0.000195	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1614	ALL	residential	477230.6	3620625	0.000194	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1107	ALL	residential	477130.6	3619425	0.000193	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
938	ALL	residential	477030.6	3619125	0.000192	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
884	ALL	residential	477030.6	3619025	0.000192	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
994	ALL	residential	477030.6	3619225	0.000191	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1164	ALL	residential	477130.6	3619525	0.00019	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1409	ALL	residential	477130.6	3620125	0.000188	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1454	ALL	residential	477130.6	3620225	0.000188	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1204	ALL	residential	477130.6	3619625	0.000188	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1049	ALL	residential	477030.6	3619325	0.000188	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1498	ALL	residential	477130.6	3620325	0.000187	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		

*HARP - HRACalc v17023 8/30/2018 11:54:38 AM - Chronic Risk - Input File: C:\Users\Michael\AERMOD\2698HRA4\HARP2\RESIDENT\hra\Res30YrHRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE\	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOSE	DAIRY_DOS	PIG_DOSE	CHICKEN_D	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
1365	ALL	residential	477130.6	3620025	0.000187	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1245	ALL	residential	477130.6	3619725	0.000187	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1539	ALL	residential	477130.6	3620425	0.000187	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1323	ALL	residential	477130.6	3619925	0.000186	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1577	ALL	residential	477130.6	3620525	0.000186	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1284	ALL	residential	477130.6	3619825	0.000185	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1106	ALL	residential	477030.6	3619425	0.000182	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
993	ALL	residential	476930.6	3619225	0.00018	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1163	ALL	residential	477030.6	3619525	0.000179	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1408	ALL	residential	477030.6	3620125	0.000178	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1364	ALL	residential	477030.6	3620025	0.000178	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1453	ALL	residential	477030.6	3620225	0.000178	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1497	ALL	residential	477030.6	3620325	0.000178	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1322	ALL	residential	477030.6	3619925	0.000178	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1203	ALL	residential	477030.6	3619625	0.000178	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1538	ALL	residential	477030.6	3620425	0.000177	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1283	ALL	residential	477030.6	3619825	0.000177	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1244	ALL	residential	477030.6	3619725	0.000177	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1048	ALL	residential	476930.6	3619325	0.000176	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1105	ALL	residential	476930.6	3619425	0.000173	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1162	ALL	residential	476930.6	3619525	0.00017	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
992	ALL	residential	476830.6	3619225	0.00017	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1496	ALL	residential	476930.6	3620325	0.00017	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1452	ALL	residential	476930.6	3620225	0.000169	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1537	ALL	residential	476930.6	3620425	0.000169	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1407	ALL	residential	476930.6	3620125	0.000169	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1363	ALL	residential	476930.6	3620025	0.000169	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1321	ALL	residential	476930.6	3619925	0.000168	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1202	ALL	residential	476930.6	3619625	0.000168	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1282	ALL	residential	476930.6	3619825	0.000168	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1243	ALL	residential	476930.6	3619725	0.000168	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1047	ALL	residential	476830.6	3619325	0.000167	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1104	ALL	residential	476830.6	3619425	0.000163	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1495	ALL	residential	476830.6	3620325	0.000162	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1451	ALL	residential	476830.6	3620225	0.000162	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1161	ALL	residential	476830.6	3619525	0.000161	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
991	ALL	residential	476730.6	3619225	0.000161	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1406	ALL	residential	476830.6	3620125	0.000161	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1201	ALL	residential	476830.6	3619625	0.00016	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1362	ALL	residential	476830.6	3620025	0.00016	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1320	ALL	residential	476830.6	3619925	0.00016	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1281	ALL	residential	476830.6	3619825	0.00016	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1242	ALL	residential	476830.6	3619725	0.00016	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1046	ALL	residential	476730.6	3619325	0.000159	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1450	ALL	residential	476730.6	3620225	0.000158	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1405	ALL	residential	476730.6	3620125	0.000156	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1103	ALL	residential	476730.6	3619425	0.000156	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1361	ALL	residential	476730.6	3620025	0.000156	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1319	ALL	residential	476730.6	3619925	0.000156	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1160	ALL	residential	476730.6	3619525	0.000154	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1280	ALL	residential	476730.6	3619825	0.000154	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1241	ALL	residential	476730.6	3619725	0.000154	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
1200	ALL	residential	476730.6	3619625	0.000153	9901	DieselExhPI	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		

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Appendix E

Hazardous Materials Technical Study for Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project
San Diego, California

HAZARDOUS MATERIALS TECHNICAL STUDY
MITSUBISHI CEMENT CORPORATION AT WAREHOUSE C: BULK CEMENT WAREHOUSE AND LOADING FACILITY PROJECT
SAN DIEGO, CALIFORNIA

PREPARED FOR:
Environmental Audit, Inc.
1000-A Ortega Way
Placentia, California 92870

PREPARED BY:
Ninyo & Moore
Geotechnical and Environmental Sciences Consultants
5710 Ruffin Road
San Diego, California 92123

July 21, 2017
(Updated September 18, 2019)
Project No. 108176001

July 21, 2017
(Updated September 18, 2019)
Project No. 108176001

Ms. Marcia Baverman
Environmental Audit, Inc.
1000-A Ortega Way
Placentia, California 92870

Subject: Hazardous Materials Technical Study
Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project
San Diego, California

Dear Ms. Baverman:

In accordance with your request, we have updated the client and project description in our Hazardous Materials Technical Study (HMTS) of the above-referenced Project. The attached report presents our methodology, findings, opinions, and recommendations regarding the environmental conditions at the site, at the time of the original HMTS.

We appreciate the opportunity to be of service to you on this Project.

Sincerely,
NINYO & MOORE

Adrian Olivares
Senior Project Environmental Scientist

Stephan A. Beck, PG 4375
Manager, Environmental Sciences Division

AO/SB/gg

Distribution: (1) Addressee

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EXECUTIVE SUMMARY

Ninyo & Moore performed a Hazardous Materials Technical Study (HMTS) for the Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project (Proposed Project or Project) within the San Diego Unified Port District (District or SDUPD), Tenth Avenue Marine Terminal (TAMT) in San Diego, California. The purpose of this HMTS is to document the presence of properties, which may have been impacted by hazardous materials or wastes, and to document, with respect to the California Environmental Quality Act (CEQA), the significance of impacts of the Project with respect to hazardous materials and wastes, and to discuss measures that can be implemented to reduce or mitigate the impacts.

The TAMT is known or suspected of containing contaminated soil as a result of the historical use at the site and vicinity. Tetra Tech prepared a soil management plan (SMP) for planned soil disturbance activities at the TAMT. The SMP provides protocols and procedures for soil sampling, excavation, air monitoring, dust control, soil stockpiling, soil characterization, and analytical testing. Two limited environmental assessments have been performed within Bays C-7, C-8, and C-10 (Ninyo & Moore, 2013b; Group Delta, 2017a).

- In 2013, Ninyo & Moore performed pre-characterization sampling in Bays C-8 and C-10 to evaluate the fill material of the elevated Warehouse C building pad. With the exception of metals, the contaminants of potential concern (COPCs) were not detected above their respective laboratory reporting limits. Metal concentrations were within background ranges for the area (Ninyo & Moore, 2013b).

- In 2016, Group Delta advanced three soil borings (CPT-1, CPT-2, and CPT-3) within Bay C-7 to a maximum depth of 20 feet below ground surface (bgs). With the exception of metals and petroleum hydrocarbons, the analytes were not found above their respective laboratory reporting limits. The metal concentrations were within background ranges for the area. Petroleum hydrocarbons were detected in the deepest samples from borings CPT-1 and CPT-3 at a maximum concentration of 270 milligrams per kilogram (mg/kg).

In 1999, one soil boring (NMB-10) was advanced by Ninyo & Moore southeast of the Warehouse C building in the vicinity of the planned ship reloading pipeline. Soil samples were collected at 3, 5, and 7 feet bgs and analyzed for total petroleum hydrocarbons (TPH), and metals (copper, lead, and zinc). TPH was not found in the samples at concentrations above the laboratory reporting limit. Metals were present at levels below human health screening levels (Ninyo & Moore, 1999a).

A hazardous building material survey (HBMS) was performed in Bays C-8, C-10, C-12, C-13, and C-14 of Warehouse C to evaluate the presence of asbestos-containing material (ACM), lead-containing surfaces (LCS), and other hazardous building materials (Ninyo & Moore, 2013a). Several building components with ACM and LCS were identified. During a January 3, 2017 inspection conducted by a Ninyo & Moore representative, building material within Bays C-7 and C-9 (not part of the HBMS) were found to be homogeneous with materials in the rest of the building.

1. INTRODUCTION

Ninyo & Moore has performed a Hazardous Materials Technical Study (HMTS) for the Mitsubishi Cement Corporation (MCC) at Warehouse C: Bulk Cement Warehouse and Loading Facility Project (Proposed Project or Project) within the San Diego Unified Port District (District or SDUPD), Tenth Avenue Marine Terminal (TAMT) in San Diego, California (Figure 1). The TAMT and Warehouse C are located at the northwestern end of District's Port Master Plan (PMP) Planning District 4. For the purposes of this study, Warehouse C Bays C-7 though C-10, the ship unloading pipelines located adjacent to Berths 10-7 and 10-8, and the truck loading area on the northwestern end of the Warehouse C building are collectively referred to as the Project site or site (Figure 2). The Proposed Project involves improvements to Bays C-7 through C-10 of Warehouse C for the receipt, storage, and distribution of cement. The cement would be pneumatically unloaded into Warehouse C from dry bulk cargo ships using mobile vacuum unloaders.

The purpose of this HMTS is to document the presence of properties, which may have been impacted by hazardous materials or wastes, and to document, with respect to the California Environmental Quality Act (CEQA), the significance of impacts of the Project with respect to hazardous materials and wastes, and to discuss measures that can be implemented to reduce or mitigate the impacts. The HMTS consisted of a review and summary of publicly available federal, state, and local regulatory databases and historical resources. Historical and regulatory research was performed from January through March 2017. This report addresses existing environmental conditions at the Project site.

2. SCOPE OF WORK

Ninyo & Moore's scope of work for this HMTS included the activities listed below.

- Reviewed client-provided and in-house reports pertaining to the Project site.
- Reviewed federal, state, and local regulatory agency databases for the Project site. The purpose of this review was to document the locations of facilities with unauthorized releases of hazardous materials or wastes to soil and/or groundwater as well as the regulatory status, where available.
- Reviewed readily available historical sources, to document, in general, areas within the Project site that may have been historically developed with uses indicative of potential environmental concerns (e.g., waste disposal, industrial, etc.).

- Reviewed readily available maps (i.e., topographic, geologic, etc.) pertaining to the Project site.
- Reviewed the State Water Resources Control Board (SWRCB) GeoTracker website and the California Department of Toxic Substances Control (DTSC) EnviroStor website, and the Formerly Used Defense Sites (FUDS) to supplement information in the database report and provide a brief description of open unauthorized release cases, regulatory status and/or contaminated properties at the site and vicinity.
- Evaluated the findings with respect to Section 8, "Hazards and Hazardous Materials" within Appendix G, "Environmental Checklist Form" of the "Guidelines for Implementation of CEQA."
- Prepared this HMTS report documenting findings and providing opinions and recommendations regarding possible environmental impacts to the Project site from potential releases of hazardous materials or wastes and potential impacts from hazardous materials or wastes from implementation of the Project.

The following, which is not intended to be all inclusive, represents out-of-scope items with respect to this HMTS, and, therefore, were not addressed: human health risk assessment, underground pipelines, radon, lead in drinking water, wetlands, regulatory compliance, cultural and historic risk, industrial hygiene, health and safety, ecological resources, endangered species, mold, indoor air quality, underground pipelines, and high-voltage power lines. In addition, Ninyo & Moore did not address interpretations of zoning regulations, building code requirements, or property title issues.

3. PROJECT SITE LOCATION

The Project site is located at 645 Switzer Street within the District's TAMT. The TAMT is located along San Diego Bay, south of downtown San Diego, east of the San Diego Convention Center and the Hilton San Diego Bayfront Hotel, and adjacent to the San Diego community of Barrio Logan. Harbor Drive is located near the northern boundary of the TAMT. Site access from Harbor Drive is provided primarily from Cesar E. Chavez Parkway, which becomes Crosby Road as it approaches the TAMT.

4. PROJECT DESCRIPTION

The Proposed Project involves phased modifications to Bays C-7 through C-10 of Warehouse C to import and distribute up to 600,000 metric tons per year (MT/yr) of cementitious material. The cementitious material would be pneumatically unloaded into Warehouse C from dry bulk cargo ships using up to two 400 MT per hour mobile vacuum unloaders at maximum operation. The vessels would use Berths 10-7/10-8 (Figure 2).

The Proposed Project is located in Planning District 4, the TAMT, which is delineated on Precise Plan Map Figure 13 of the certified Port Master Plan (PMP). The PMP land use designation within the limits of the Proposed Project is Marine Terminal. Bays C-7 through C-10 are located on the western end of Warehouse C. Other warehouses are located to the south, north, and east sides of Warehouse C; directly northeast of Warehouse C there is a group of storage silos. A railroad yard and auto distribution facility are located farther to the northeast of the warehouse. The nearest sensitive receptors to the Project site include: the San Diego Bay; a residence, approximately 2,200 feet to the east; Perkins Elementary School, approximately 1,700 feet to the northeast; and Cesar Chavez Park and Pier, approximately 1,500 feet to the southeast. The entire TAMT area is highly industrialized in character, and no general public access is permitted.

Bays C-7 and C-9 are currently vacant. Bays C-8, C-10, C-11, and C-12 are currently occupied by a District tenant and used for the storage of bauxite. It is anticipated that the bays adjacent to the Project site would continue to be used for similar operations until such time that Warehouse C is demolished, as addressed in the TAMT Redevelopment Plan and Demolition and Initial Rail Component (Redevelopment Plan) and the Final Program EIR (Final PEIR) for the Redevelopment Plan (State Clearinghouse Number 2015031046; Clerk Document Number 65901), certified and adopted by the Board of Port Commissioners in December 2016, by Resolution Numbers 2016-199 and 2016-200, respectively. The timeframe for demolition is unknown, but likely would not occur within the next 15 years while MCC occupies the Bays. At the end of the lease term, Mitsubishi would be responsible for the removal of all equipment and improvements within the Project Site. With the District's approval, the Proposed Project's interim uses would include a term of up to five years with two five year options, for a total term of up to 15 years. Consistent

with State CEQA Guidelines Section 15168(c) and (d), Proposed Project requires subsequent environmental review, but may tier off of the Final PEIR. Specifically, with regards to proposed throughput for dry bulk and the associated analysis.

5. PROJECT CONSTRUCTION

There are two Project options, both of which have alternative construction scenarios. Under either of these options, operational throughput and other operational characteristics would not remain the same. Option A proposes truck loading inside Warehouse C, and Option B proposes truck loading outside of Warehouse C. Under Option A (interior truck loading) and Option B (exterior truck loading), there are also two sub-options related to the proposed ship-to-warehouse unloading pipelines. Sub-Option 1 (Subterranean Pipeline) would allow for cementitious material to be pneumatically transferred to Warehouse C through an approximately 150-foot subterranean unloading pipeline, which would then be routed along the top edge of Warehouse C (Appendix A - Figure 4). The subterranean unloading pipeline would be 6 feet below the ground. Sub-Option 2 (Overhead Pipeline) would allow for cementitious material to be pneumatically transferred to Warehouse C through an approximately 150-foot overhead, unloading pipeline that would continue along the top edge of Warehouse C (Appendix A - Figure 5). The overhead pipeline would be 40 feet above ground. The pipeline alignment would be the same under both sub-options.

Construction of Option A1 (Truck loading inside Warehouse C with the subterranean unloading pipeline) would require a worst-case maximum excavation of approximately 10,460 cubic yards (cy) of material. Option B1 (Truck loading outside Warehouse C with the subterranean unloading pipeline) would require a maximum excavation of 9,420 cy of material. Total excavation activities for Option A and Option B, and Sub-Option 1 and Sub-Option 2 are detailed in Table 1.

Table 1 – Summary of Excavation Activities (in Cubic Yards)

Construction Option	Excavation	Backfill	Imports	Spoils
Option A (Interior Truck Loading) - Per Phase	9,760	1,500	8,600	Soil: 9,760 Asphalt: 1,780
Option B (Exterior Truck Loading) - Per Phase	8,720	900	8,000	Soil: 8,720 Asphalt: 150

Table 1 – Summary of Excavation Activities (in Cubic Yards)

Construction Option	Excavation	Backfill	Imports	Spoils
Sub-Option 1 (Subterra-nean Pipeline)	700	600	70	Soil: 100 Asphalt: 100
Sub-Option 2 (Overhead Pipeline)	230	0	0	Soil: 230 Asphalt: 30

Regardless of which options are implemented, construction of the Proposed Project would occur in two phases (Phase I and Phase II). Bays C-7 and C-9 are anticipated to be upgraded first (Phase I), followed by Bays C-8 and C-10 (Phase II). The improvements would involve five principal construction activities including: (1) concrete demolition and excavation; (2) foundation and concrete pouring; (3) roof demolition and repair; (4) installation of mechanical equipment; and, (5) electrical tie-ins. The improvements would take an estimated 7 to 10 months to complete. Upon completion of Phase I, the Proposed Project would have a maximum throughput of 600,000 MT/yr of cementitious material, which constitutes the worst case scenario for CEQA purposes.

Phase I of the Proposed Project would involve improvements to Bays C-7 and C-9. The improvements would include:

- Sealing the storage bays to prevent cementitious material loss through joints and seams;
- Installing a truck loading rack either inside or outside Bay C-7 equipped with two 200 MT silos with dust control truck loading spouts (Appendix A - Figures 6 and 7);
- Installing one truck scale;
- Installing piping to each bay to pneumatically transfer cementitious material from the dock to the warehouse (Appendix A - Figures 8 and 9);
- Installing a reclaim hopper, air slide, screw conveyor, and bucket elevator in the truck loading areas to mechanically transfer cementitious material to the silos (Figures 8 and 9);
- Potential structural upgrades to the roof of Warehouse C, installation of roof-mounted piping, and a berth-side unloader for the pneumatic transfer of cementitious material from ships to the cementitious material storage areas (Appendix A - Figure 3);

- Installing two 26,000 cubic feet per minute dust collectors to control dust emissions from the storage areas and truck loading racks (Appendix A - Figures 2 and 3); and,
- Upgrading electrical equipment to support the electrical demand of the Proposed Project's operation.

Phase II construction of Bays C-8 and C-10 would be anticipated to begin two to three years after Phase I is operational. These improvements would be identical to those undertaken for Bays C-7 and C-9, and require 7 to 10 months to construct (Appendix A - Figures 10 and 11). At the conclusion of Phase II, the maximum annual throughput would remain the same; however, the additional equipment and storage would allow more flexible operations (e.g., store multiple cementitious materials concurrently) and improved ability to respond to seasonal and other market fluctuations.

Because the Proposed Project's construction would be undertaken in phases, its implementation would also involve the installation of temporary construction modular buildings and utilities within Warehouse C, as well as their removal upon completion of construction of Phase II.

All modifications would be made within the existing footprint of the Warehouse C and areas immediately adjacent to the warehouse. Bays C-7 through C-10 have a combined gross floor area of 192,000 square feet. The roof height would remain unchanged; however, the silos and dust collector would extend above the existing roof height. The tallest units would be the dust collector stacks at approximately 40 feet above the roof; the equipment added to the roof would have a total maximum height of approximately 75 feet above grade.

Implementation of Option A with Option 1 would require a maximum excavation of up to 10,460 cy of material during Phase I, and implementation of Option B with Option 1 would require a maximum excavation of 9,420 cy of material during Phase I; consequently, the "worst case" scenario for excavation is 10,460 cy. The excavated area for the truck loading racks would be compacted and capped with reinforced concrete to support trucks and the warehouse area would be excavated compacted and filled with structural fill and capped with reinforced concrete to support equipment and cementitious material. It is not expected that the Proposed Project would change the amount of impervious surface or alter the Project area's existing drainage patterns.

No outdoor lighting would be required during construction activities, which are expected to occur during daylight hours. No nighttime construction activities are expected. Equipment used for construction would be matte finished.

No changes would be made to on-site parking. A number of parking spaces are available within the TAMT; however, the majority of these parking spaces are not marked in order to provide maximum flexibility for existing operations. The area immediately adjacent to the east side of Warehouse C could accommodate up to 85 passenger vehicles, and are proposed to service the Project.

No changes to the Project site's existing drainage system are proposed; only domestic waste would be discharged into the existing sewer system. Additionally, no changes to the existing piles at Berths 10-7/10-8 are proposed, and no in-water activity, such as dredging or fill, would be required.

The estimated maximum number of on-site construction personnel would be 50. The workforce would be anticipated to be drawn from the local region.

6. PHYSICAL SETTING

The following table summarizes topographic, geologic, and hydrogeologic conditions in the vicinity of the Project site, based upon the referenced documents review and/or our visual reconnaissance of the site.

Table 2 – Physical Setting

Physical Setting	Reference	Summary
Topography	A	The topography at the site is generally flat and the site elevation is approximately 15 feet above mean seal level (MSL). The topography in the site vicinity generally slopes to the southwest to southeast toward San Diego Bay.
Site Geology	B, C	The site is underlain by artificial fill, which is described as deposits of fill resulting from human construction, mining, or quarrying activities; including compacted engineered and non-compacted, non-engineered fill. According to Group Delta's geophysical investigation for Warehouse C-7, the Project site is underlain by fill followed by hydraulic fill and Old Paralic Deposits. The units are further described below. - **Fill:** Clayey sand and lean clay (approximately 8 to 12 feet in thickness) - **Hydraulic Fill:** Poorly graded sand with silt or silty sand, which was likely placed as a result of dredging operations in the San Diego Bay (approximately 20 feet in thickness). - **Old Paralic Deposits:** Silty clay or clayey sand, sandy silt, and sandy lean to fat clay with occasional beds of gravel.

Table 2 – Physical Setting

Physical Setting	Reference	Summary
Surface Water	A	The San Diego Bay is located approximately 250 feet southeast of the Warehouse C Building.
Groundwater	C, D	The site is located in the San Diego Mesa Hydrologic Area (HA) within the Pueblo San Diego Hydrologic Unit. The San Diego Mesa HA is exempt from municipal use. During Group Delta's geotechnical investigation, groundwater was encountered at a depth of approximately 12 feet below ground surface (bgs). Groundwater levels, gradient, and flow direction can fluctuate due to seasonal variations, groundwater withdrawal or injection, tidal influence, and other factors.

References:
A = United States Geological Survey (USGS), Point Loma, California, 7.5-minute quadrangle map (USGS, 2012)
B = USGS, Geologic Map of the San Diego 30' x 60' Quadrangle, California (Kennedy and Tan, 2008)
D = Group Delta, 2017b
C = RWQCB Water Quality Control Plan for the San Diego Basin (RWQCB, 2011)

7. HISTORICAL USE INFORMATION

This section summarizes the general historical development of the Project site, as noted from two historical studies of the TAMT (Ninyo & Moore, 1999b; Tetra Tech, 2010a), the TAMT PEIR (SDUPD, 2016), and review of historical aerial photographs, topographic maps, and fire insurance maps.

The Project site and surrounding area were part of the San Diego Bay since at least 1906. Beginning in 1907, Benson Lumber Company occupied the southeastern portion of the TAMT and operated a sawmill, refuse burner, and creosote wood treatment facility to the northeast of the Project site. Also in the site vicinity, the 8th Avenue Tidelands Dump, located adjacent to the northwest of the TAMT, was a former burn dump that operated in the early 1900s. In the 1950s, the site was constructed on fill material and reclaimed tidelands. By 1957, the present-day TAMT shoreline was established.

Prior to the construction of the Warehouse C building in 1963, the area was used for storage of scrap metal. Sometime from 1966 to 1970, an addition to the southeast portion of Warehouse C was performed (Bays C-13 and C-14). Based on the historical uses at the Project site and vicinity, contaminants of potential concern (COPCs) include metals and polycyclic aromatic hydrocarbons (PAHs) in the fill material underlying Warehouse C.

8. ENVIRONMENTAL BACKGROUND

The TAMT is known or suspected of containing contaminated soil as a result of the historical use at the site and vicinity. In 2010, Tetra Tech prepared a soil management plan (SMP) for planned soil disturbance activities at the TAMT. The SMP provides protocols and procedures for soil sampling, excavation, air monitoring, dust control, soil stockpiling, soil characterization, and analytical testing. According to the SMP, analytical testing will be conducted for soils that are excavated or otherwise disturbed during grading, demolition, and construction in areas where soil that is to be transported offsite has not been analytically characterized.

Two limited environmental assessments have been performed within Bays C-7, C-8, and C-10 (Ninyo & Moore, 2013b; Group Delta, 2017a). In 2013, Ninyo & Moore performed pre-characterization sampling in Bays C-8 and C-10 for a proposed demolition Project to evaluate the fill material of the elevated Warehouse C building pad. Three soil borings (B6, B7, and B8) were advanced to a maximum depth of 4.5 feet bgs using a direct-push drilling rig. Two borings (B6 and B7) were advanced within Bay C-8, and one boring (B8) was advanced within Bay C-10 and a total of eight soil samples were analyzed for the following: Title 22 metals, total petroleum hydrocarbons (TPH), organochlorine pesticides (OCPs), volatile organic compounds (VOCs), semi-VOCs (SVOCs), and polychlorinated biphenyls (PCBs). With the exception of metals, the analytes were not detected above their respective laboratory reporting limits. Metal concentrations were within background ranges for the area (Ninyo & Moore, 2013b).

In 2016, Group Delta advanced three soil borings (CPT-1, CPT-2, and CPT-3) within Bay C-7 to a maximum depth of 20 feet bgs and samples were collected every 5 feet and analyzed for: TPH, VOCs, Title 22 metals, PCBs, OCPs, organophosphorus pesticides (OPPs), and chlorinated herbicides. With the exception of metals and TPH, the analytes were not found above their respective laboratory reporting limits. The metal concentrations were within background ranges for the area. TPH as diesel (TPH-d) and TPH as motor oil (TPH-mo) were detected in the deepest sample from borings CPT-1 at concentrations of 97 and 270 milligrams per kilogram (mg/kg), respectively. TPH-d was detected in the CPT-3 boring at 20 feet bgs at a concentration of 6.5 mg/kg.

A review was also conducted for additional soil data in the vicinity of the proposed ship unloading pipelines. In 1999, one soil boring (NMB-10) was advanced by Ninyo & Moore southeast of the Warehouse C building in the vicinity of the planned ship reloading pipeline. Soil samples were collected at 3, 5, and 7 feet bgs and analyzed for TPH, and metals (copper, lead, and zinc). TPH was not found in the samples at concentrations above the laboratory reporting limit. Copper, lead, and zinc were present within background ranges for the area (Ninyo & Moore, 1999a).

In 2013, Ninyo & Moore performed a hazardous building materials survey (HBMS) of Bays C-8, C-10, C-12, C-13, and C-14 of Warehouse C. The survey was performed in accordance with established guidelines for the assessment of asbestos-containing materials (ACM) and lead-containing surfaces (LCS), and is based upon conditions of the subject building at the time of the surveying/assessment activities. Representative samples of suspect and previously identified ACMs were collected after a determination of homogeneous sampling areas. The testing was conducted by a California Department of Public Health (CDPH) certified Lead Inspector/Assessor (Ninyo & Moore, 2013a).

Based on the results of the previously prepared HBMS report and our visual observations of Bays C-7 and C-9, made during an inspection on January 3, 2017, it is our professional opinion that ACM and LCS in those Bays are homogeneous with materials found in the rest of the building. Those materials include the following:

- Exterior perimeter concrete walls, at metal expansion joint plates – gray expansion joint caulking (Asbestos: 3-4% chrysotile)
- Exterior warehouse door – fire door (presumed ACM)
- Interior metal components throughout - I-beams, brackets, beam supports, lid supports, fire sprinkler pipe system, round columns (Lead: 7.40-18.90 milligrams per centimeter square [mg/cm^2]).

9. ENVIRONMENTAL DATABASE SEARCH AND REGULATORY INFORMATION

A computerized, environmental information database search was performed by Environmental Data Resources, Inc. (EDR) on December 15, 2016. The search included federal, state, tribal, and local databases. A summary of the environmental databases searched, their corresponding search radii, and number of noted properties of potential environmental concern, is presented in the EDR report provided in Appendix B. The review was conducted to evaluate whether the site or properties within the vicinity have been documented as having experienced significant unauthorized releases of hazardous substances or other events with potentially adverse environmental effects. The following table lists databases that were searched and the number of listings (excluding non-geocoded [unmapped] properties).

Table 3 – ASTM Standard Environmental Databases

Database Name	Search Radius (mile)	Number of Listings
FEDERAL DATABASES		
NPL (National Priority List)	1	0
Proposed NPL	1	0
NPL LIENS (Federal Superfund Liens)	TP	0
Delisted NPL	1	0
FEDERAL FACILITY (Federal Facility Site Information listing)	1	0
SEMS (Superfund Enterprise Management System; formerly Comprehensive Environmental Response Compensation and Liability Information System)	0.5	0
SEMS-ARCHIVE (Superfund Enterprise Management System Archive)	0.5	3
CORRACTS (facilities subject to Corrective action under RCRA)	1	2
RCRA-TSDF (hazardous waste treatment, storage, or disposal facilities)	0.5	1
RCRA-LQG (large quantity generator)	0.25	6
RCRA-SQG (small quantity generator)	0.25	4
RCRA-CESQG (conditionally exempt SQG)	0.25	0
US ENGINEERING CONTROL (EC)	0.5	0
US INSTITUTIONAL CONTROL (IC)	0.5	0
ERNS (Emergency Notification System)	TP	1
STATE/TRIBAL DATABASES		
RESPONSE (State Response Sites, State- and Tribal- equivalent NPL)	1	0
ENVIROSTOR (The DTSC's Site Mitigation and Brownfields Reuse Program; CERCLIS-equivalent)	1	35
SWF/LF (Solid Waste Information System)	0.5	0
San Diego County Site Assessment and Mitigation (SAM)	0.5	48
LUST (Geotracker's Leaking Underground Fuel Tank Report)	0.5	42

Table 3 – ASTM Standard Environmental Databases

Database Name	Search Radius (mile)	Number of Listings
SLIC (Spills, Leaks, Investigation and Cleanup database by the California Regional Water Quality Control Board)	0.5	52
UST (registered underground storage tanks [USTs])	0.25	1
AST (registered aboveground storage tanks [ASTs])	0.25	4
FEMA UST (Underground Storage Tank Listing)	0.25	0
VCP (Voluntary Cleanup Program Properties)	0.5	1
Notes: TP = Target Property LUST = Leaking Underground Storage Tank		

The site address was not listed in the environmental databases. Off-site properties/facilities listed in the database report were evaluated as to their potential to impact soil and/or groundwater at the Project site. To supplement the information in the EDR report, the SWRCB GeoTracker database was reviewed. The following properties/facilities were interpreted to represent a potential environmental concern to the site, based on their proximity to the site, the nature of the database on which they are listed, and/or the assumed direction of groundwater flow in the site vicinity (tidally influenced):

Table 4 – Facilities of Potential Concern

Facility Name/Address/Map ID	Distance/ Direction from Site	Database	Summary
Freight Handlers Inc. 1790 Water Street	47 feet / ESE	HMMD SAM SLIC	The facility has two closed unauthorized release cases (H25935-001 and -002). The type of release and potential contaminant of concern were not listed.
CEMEX Construction Materials Pacific LLC 1155 Terminal Dr.	99 feet SSW	AST HMMD	The facility operated a 1,947 gallon above ground storage tank (AST) of unspecified contents. Hazardous materials/waste permitted at the facility include: gear and hydraulic oils, waste oil, diesel fuel, acetylene and oxygen gases, and used oil filters. No records pertaining to spills or unauthorized releases were found.
San Diego Unified Port District 1875 Water Street and 1444 Crosby Street	230 feet / ESE	HIST-CORTESE HMMD LUST SAM SLIC	The property has one open and one closed case. The closed case (H24706-001) was a diesel release that impacted soil and groundwater. The open case (H24706-002) was a petroleum hydrocarbon release from former pipelines beneath a former portion of Water Street, between 1444 Crosby Street and 1875 Water Street, at the present-day Crosby Street Park. The impacts did not extend to the west of the park (toward TAMT).

Table 4 – Facilities of Potential Concern

Facility Name/Address/Map ID	Distance/ Direction from Site	Database	Summary
Burlington Northern & Santa Fe Railway Company (Santa Fe Intermodal) 1342 Crosby Street	252 feet / ESE	LUST SWEEPS-UST	The facility has three closed unauthorized release cases (H00076-001 to -003). Case -001 was a voluntary assistance program (VAP) case that was opened for the planned construction and re-development of the railyard. Historical uses of potential concern included wood treating and storage, foundry operations, ASTs, underground storage tanks (USTs), and railroad operations. Contaminated soil was removed and/or treated onsite (bioventing). The case was closed in July 2008. Cases -002 and -003 were administratively combined. The cases involved six USTs containing gasoline, diesel, and oily water. The petroleum hydrocarbon release extended off the property to the southwest; however, did not extended onto the TAMT.
Tuna Clipper 1444 Crosby Street	252 feet / ESE	HIST-CORTESE LUST SAM SLIC SWEEPS-UST	The facility has two closed unauthorized release cases (H05633-001 and -002). The first case was reportedly a diesel release that impacted soil only and was closed in March 1997. The second case was reportedly a gasoline release that impacted soil and groundwater. The release case was opened in August 1992 and was closed in March 1997.
10th Avenue Marine Terminal 920 Gull Street	859 feet NNW	UST	The facility operated unspecified USTs. No records or spill or unauthorized releases were found.
Tenth Avenue Marine Terminal – Berths 10-1 and 10-2	--	LDS	The property is listed as a closed land disposal site. According to GeoTracker, the listing is related to Water Board Monitoring and Reporting Program No. 93-17, for the TAMT Maintenance Dredging of the San Diego Bay. Approximately 18,420 tons of sediment was removed.

Notes:
- Distances/directions provided by EDR
- A complete description of each database is provided in the EDR Report (Appendix B).

Orphan sites (i.e., listings with insufficient address information to be plotted by EDR) were reviewed to evaluate their potential impact to the study area. It is our opinion that there is a low likelihood that the orphan listings represent an environmental concern to the site at the current time, based on the nature of the listings and/or the interpreted locations of the properties associated with the listings.

10. ONLINE ENVIRONMENTAL DATABASES

Online regulatory databases were reviewed by Ninyo & Moore to supplement the environmental database search. The following is a summary of pertinent information.

Table 5 – Online Regulatory Databases

Online Database/Website	Findings
DTSC EnviroStor	The Project site or adjacent properties not listed.
DTSC Cortese List	The Project site's zip code was not listed.
State Water Resources Control Board (SWRCB) GeoTracker	The Project site was not listed. Freight Handlers Inc. (1790 Water Street), was depicted adjacent to the southeast of Warehouse C within the TAMT. The release case was discussed in Section 7.
DTSC List of Facilities with Deed Restrictions	The Project site's zip code was not listed.
California Department of Resources Recycling and Recovery (CalRecycle) Solid Waste Information System	The 8th Avenue Tideland Dump is depicted approximately 2,000 feet northwest of the Project site. The dump is listed as a closed, unpermitted solid waste disposal site. Compliance inspections are performed annually by the City of San Diego.
Army Corps of Civil Engineers Formerly Used Defense Sites (FUDS) Database	No FUDS properties were depicted within 0.5 mile of the Project site.

11. FINDINGS AND OPINIONS

Based on the results of this HMTS, the following findings and opinions are provided:

- Beginning in 1907, Benson Lumber Company occupied the southeastern portion of the TAMT and operated a sawmill, refuse burner, and creosote wood treatment facility to the northeast of the Project site. Also in the site vicinity, the 8th Avenue Tidelands Dump, located adjacent to the northwest of the TAMT, was a former burn dump that operated in the early 1900s. In the 1950s, the site was constructed on fill material and reclaimed tidelands. By 1957, the present-day TAMT shoreline was established.

- Prior to the construction of the Warehouse C building in 1963, the area was used for storage of scrap metal. Sometime from 1966 to 1970, an addition to the southeast portion of Warehouse C was performed (Bays C-13 and C-14). Based on the historical uses at the Project site and vicinity, COPCs include metals and PAHs in the fill material underlying Warehouse C.

- The TAMT is known or suspected of containing contaminated soil as a result of the historical use at the site and vicinity. Tetra Tech prepared a SMP for planned soil disturbance activities at the TAMT. The SMP provides protocols and procedures for soil sampling, excavation, air monitoring, dust control, soil stockpiling, soil characterization, and analytical testing. According to the SMP, analytical testing will be conducted for soils that are excavated or otherwise disturbed during grading, demolition, and construction in areas where soil that is to be transported offsite has not been analytically characterized. Two limited environmental assessments have been performed within Bays C-7, C-8, and C-10 (Ninyo & Moore, 2013b; Group Delta, 2017a).

- In 2013, Ninyo & Moore performed pre-characterization sampling in Bays C-8 and C-10 to evaluate the fill material of the elevated Warehouse C building pad. With the exception of metals, the COPCs were not detected above their respective laboratory reporting limits. Metal concentrations were within background ranges for the area (Ninyo & Moore, 2013b).

- In 2016, Group Delta advanced three soil borings (CPT-1, CPT-2, and CPT-3) within Bay C-7 to a maximum depth of 20 feet bgs. With the exception of metals and TPH, the analytes were not found above their respective laboratory reporting limits. The metal concentrations were within background ranges for the area. TPH-d and TPH-mo were detected in the deepest sample from borings CPT-1 at concentrations of 97 and 270 mg/kg, respectively. TPH-d was detected in the CPT-3 boring at 20 feet bgs at a concentration of 6.5 mg/kg.

- In 1999, one soil boring (NMB-10) was advanced by Ninyo & Moore southeast of the Warehouse C building in the vicinity of the planned ship reloading pipeline. Soil samples were collected at 3, 5, and 7 feet bgs and analyzed for TPH, and metals (copper, lead, and zinc). TPH was not found in the samples at concentrations above the laboratory reporting limit. Copper, lead, and zinc were present at levels below human health screening levels (Ninyo & Moore, 1999a).

- An HBMS was performed in Bays C-8, C-10, C-12, C-13, and C-14 of Warehouse C. The survey was performed to evaluate the presence of ACM, LCS, and other hazardous building materials. Hazardous building materials were identified within Warehouse C and are listed in Ninyo & Moore's Hazardous Material Abatement Specifications (Ninyo & Moore, 2013a).

- On January 3, 2017, a Ninyo & Moore representative performed an inspection of Bays C-7 and C-9, to visually evaluate areas not included in the 2013 HBMS. Based on our visual inspection, it is our professional opinion that ACM and LCS in those Bays are homogeneous with materials found in the rest of the building.

- The Project site was not listed in the environmental database report. Several properties in the immediate vicinity of the Project site were listed with unauthorized releases; however, after review of the database report and supplemental databases, it is our opinion that there is a low potential for the offsite releases to affected the environmental integrity of the site.

12. PROJECT IMPACT ANALYSIS – HAZARDS AND HAZARDOUS MATERIALS

The following impact analysis evaluates the effects from hazards and hazardous materials that may result with the implementation of the Proposed Project. The findings of this HMTS and the TAMT PEIR were used to evaluate potential impacts relative to hazards and hazardous materials.

12.1. CEQA Significance of Impacts

The following significance criteria listed in the CEQA Appendix G Initial Study checklist was used to evaluate whether implementation of the Proposed Project would result in potentially significant impacts associated with hazards or hazardous materials.

Table 6 – CEQA Thresholds of Significance

Threshold	Criteria
A	Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?
B	Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?
C	Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?
D	Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?
E	For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?
F	For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?
G	Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?
H	Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

As discussed in the Initial Study / Environmental Checklist Section VIII, Thresholds A and C through H are not included in this analysis, as it was determined that the proposed Project would have less than significant impact or no impact on these criteria. The rationale is provided in the Initial Study.

12.2. Evaluation of Project Impacts and Mitigation Measures

The following question was evaluated based on our findings from the HMTS and our understanding of the Proposed Project.

B. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Construction – Soil Disturbance Activities*:* Total excavation for the "worst case" construction alternatives (Option A and Sub-Option 1) are approximately 20,220 cy of soil (includes both construction phases), of which, up to 19,750 cy would be exported offsite. It is estimated that up to 8,700 cy of imported material would be required for the Proposed Project.

Previous assessments at the TAMT have found petroleum hydrocarbons, VOCs, SVOCs, PAHs, and metals (copper, zinc, and lead) as a result of hydraulic fill material used for the reclaimed tidelands, historical uses (creosote wood treatment facility, former burn dump, metal scrap yard), and from unauthorized petroleum hydrocarbon releases in the Project site vicinity. The presence of these hazardous materials could create a significant hazard to the public or the environment during soil disturbance activities associate with the Project.

Limited soil analytical data collected from Bays C-7, C-8, and C-10, and in the vicinity of the ship reloading pipeline have found low concentrations of petroleum at a depth of approximately 20 feet bgs. Metal concentrations were within background ranges for the area and other COPCs have not been found above their respective laboratory reporting limits. Offsite unauthorized releases are not anticipated to impact the Project site. Based on the findings of this HMTS, the implementation of the following two mitigation measures identified in the TAMT PEIR will reduce the impacts associated with soil disturbance activities to less than significant:

- MM-HAZ-1 – Compliance with the Soil Management Plan (Tetra Tech, 2010)
- MM-HAZ-2 – Implement Engineering Controls and Best Management Practices during Construction.

Impacts associated with soil disturbance activities would be less that significant because protocols would be established and followed that provide for the proper management of potentially contaminated soils, community health and safety monitoring, and construction worker training / monitoring to reduce the risk of reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment.

Construction – Hazardous Building Materials*:* Implementation of the Proposed Project has the potential to create a significant hazard to the public or the environment through the disturbance of hazardous building material present within Warehouse C, if not properly managed. In 2013, Ninyo and Moore performed an HBMS of Bays C-8, C-10, C-12, C-13, and C-14 of Warehouse C and identified several building components with ACM and LCS. During a January 3, 2017 inspection conducted by a Ninyo & Moore representative, building material within Bays C-7 and C-9 (not part of the HBMS) were found to be homogeneous with materials in the rest of the building.

As stated in the TAMT PEIR, any demolition or grading activities shall comply with California Code of Regulations, Title 8, Industrial Relations, which provides specific guidance for removal and disposal of ACM and LCS. The identified ACMs and LCSs should not be disturbed. Prior to renovation activities that could potentially disturb these materials, a licensed abatement contractor should remove the ACMs and LCSs in accordance with federal, state and local regulations. Additionally, Ninyo & Moore recommends implementation of the Hazardous Building Material Abatement Specifications (Ninyo & Moore, 2013a) prior to building renovations that would disturb ACM and LCS, and other hazardous building materials.

Operations: The TAMT PEIR analyzed the full buildout the TAMT plan, which included additional throughput of dry bulk storage (cement, bauxite, or soda ash), which is sufficient to cover the estimated 600,000 MT/yr of cementitious material that the Project involves. Because of the relatively low risk of accidents that may occur from onsite storage of hazardous materials and the monitoring and countermeasures in place to ensure that any accidents are quickly contained, the potential of creating a significant hazard to the public or the environment through the reasonably foreseeable upset and accident conditions involving the release of hazardous materials in the environment from Project operations would be less than significant.

13. LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Please note that this study did not include an evaluation of geotechnical conditions or potential geologic hazards.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information or has questions regarding the content, interpretations presented, or completeness of this document.

Our conclusions, recommendations, and opinions are based on an analysis of the observed project area conditions and the referenced literature. It should be understood that the conditions within the project area could change with time as a result of natural processes or the activities of man at a particular property. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

14. REFERENCES

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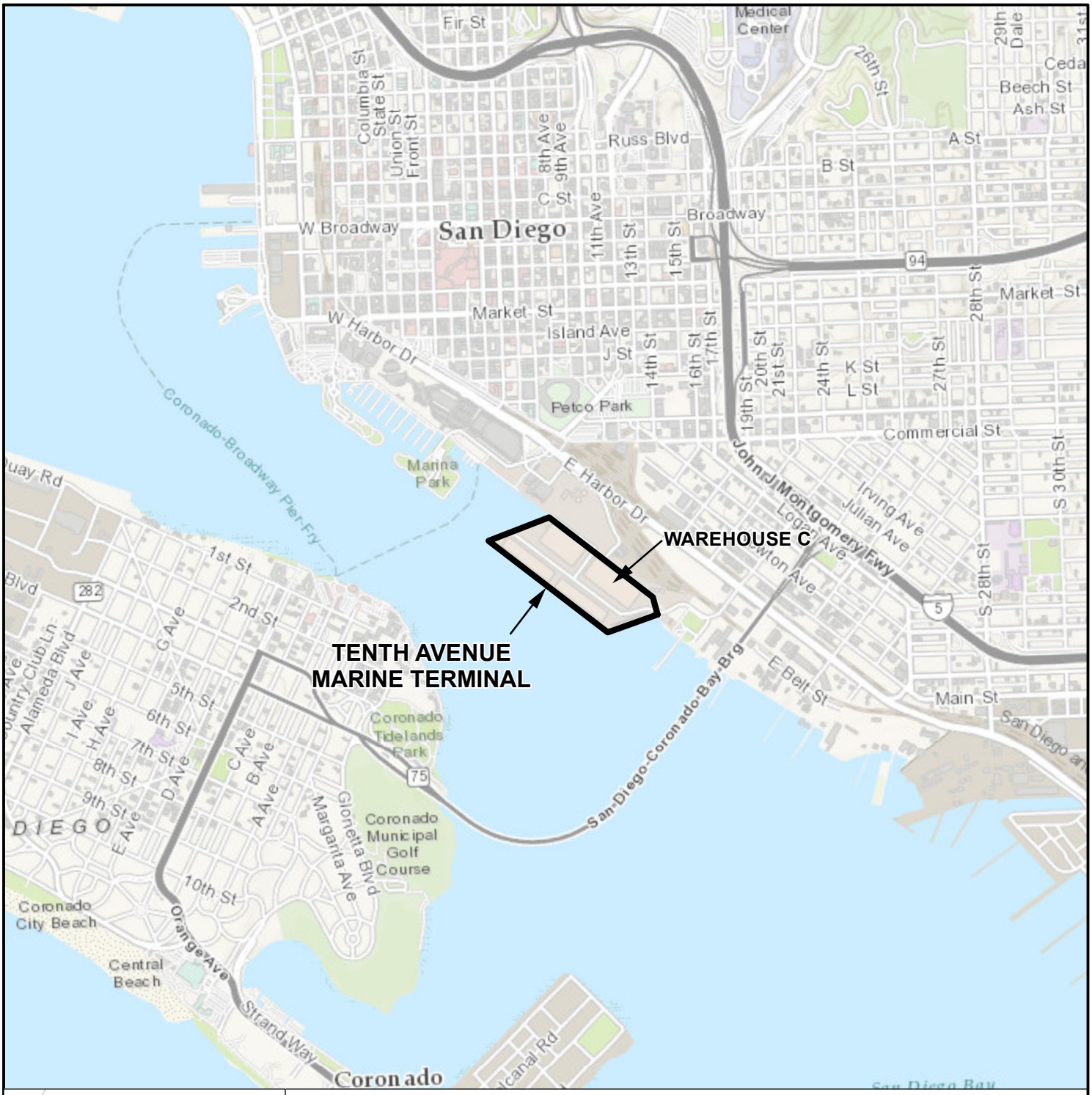
Tetra Tech EM Inc., 2010a, Historical Summary of the 10th Avenue Marine Terminal, San Diego, California: dated October 14.

Tetra Tech EM Inc., 2010b, Soil Management Plan, 10th Avenue Marine Terminal, San Diego, California: dated November 24.

United States Geological Survey, 2012, Point Loma Quadrangle, California, 7.5-Minute Series (Topographic): Scale 1:24,000.



MAP EXTENT

SOURCE: ESRI WORLD TOPO, 2015

N

SCALE IN FEET

0 2,400 4,800

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE

Ninyo & Moore

PROJECT NO.	DATE
108176001	9/19

PROJECT SITE LOCATION

MITSUBISHI CEMENT CORPORATION AT WAREHOUSE C:
BULK CEMENT WAREHOUSE AND LOADING FACILITY PROJECT
TENTH AVENUE MARINE TERMINAL
SAN DIEGO, CALIFORNIA

FIGURE

1

1_108176001_SL.mxd 4/3/2017 10:20:56 AM AOB

SOURCE: GOOGLE EARTH, 2016

LEGEND

TAMT BOUNDARY

C-14 WAREHOUSE C BAY ID

SCALE IN FEET

0 500 1,000

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore	PROJECT SITE PLAN	FIGURE
PROJECT NO. 108176001 / DATE 9/19	MITSUBISHI CEMENT CORPORATION AT WAREHOUSE C: BULK CEMENT WAREHOUSE AND LOADING FACILITY PROJECT TENTH AVENUE MARINE TERMINAL SAN DIEGO, CALIFORNIA	2

2_108176001_PSP.mxd 4/6/2017 10:14:58 AM AOB

APPENDIX A

PROJECT ALTERNATIVES FIGURES

Environmental Audit, Inc.

0 1,500'

N

PROPOSED PROJECT LOCATION
645 Switzer Street
San Diego, CA 92101

Project No. 2698

Figure 1

N:\2698\Aerial Vicinity Map (rev.3).cdr

Environmental Audit, Inc.

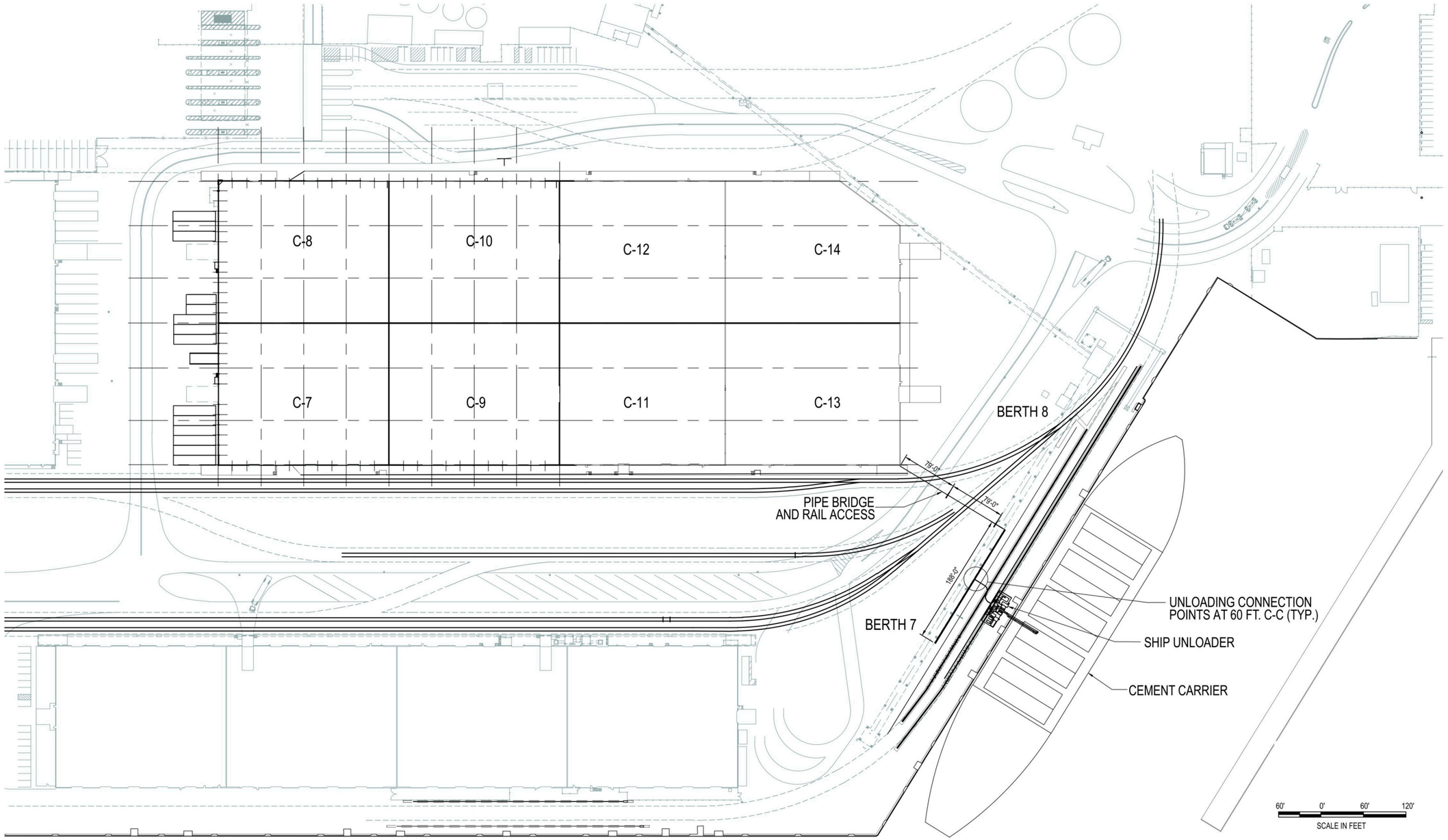
N

AERIAL OVERVIEW OF PROPOSED PROJECT SITE
645 Switzer Street
San Diego, CA 92101

Project No. 2698

Figure 2

N:\2698\Aerial Site Plan (rev.3).cdr



Environmental Audit, Inc.

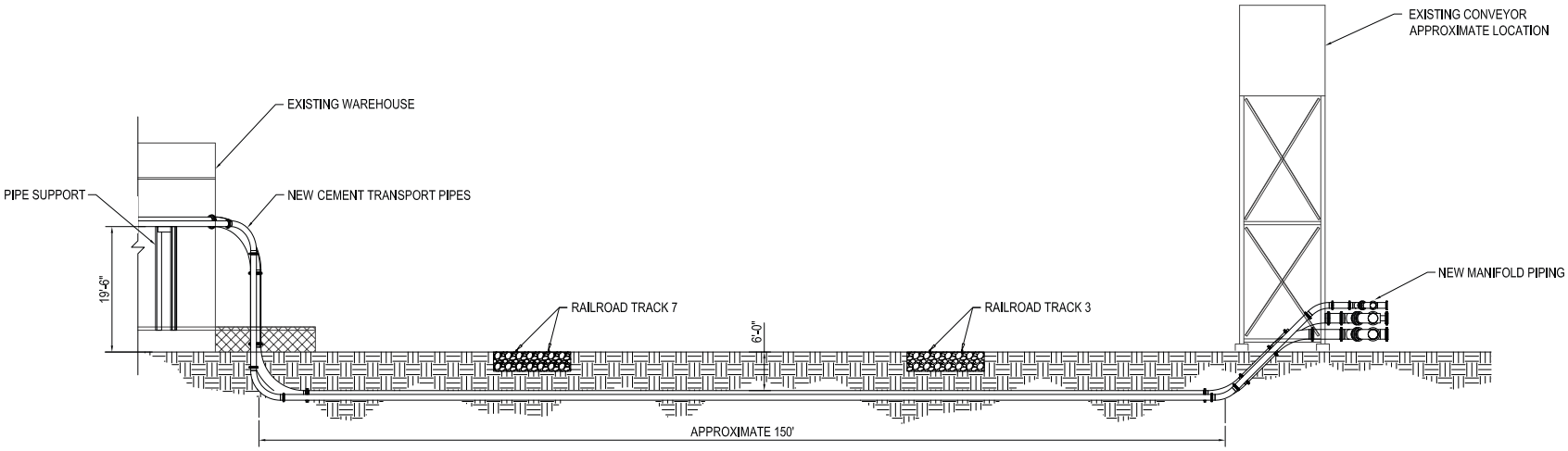
OVERALL SITE PLAN
645 Switzer Street
San Diego, CA 92101

N

Project No. 2698

Figure 3

N:\2698\Warehouse Plan (rev.2).cdr



SUBTERRANEAN PIPELINE

SOURCE: Mitsubishi Cement Corporation

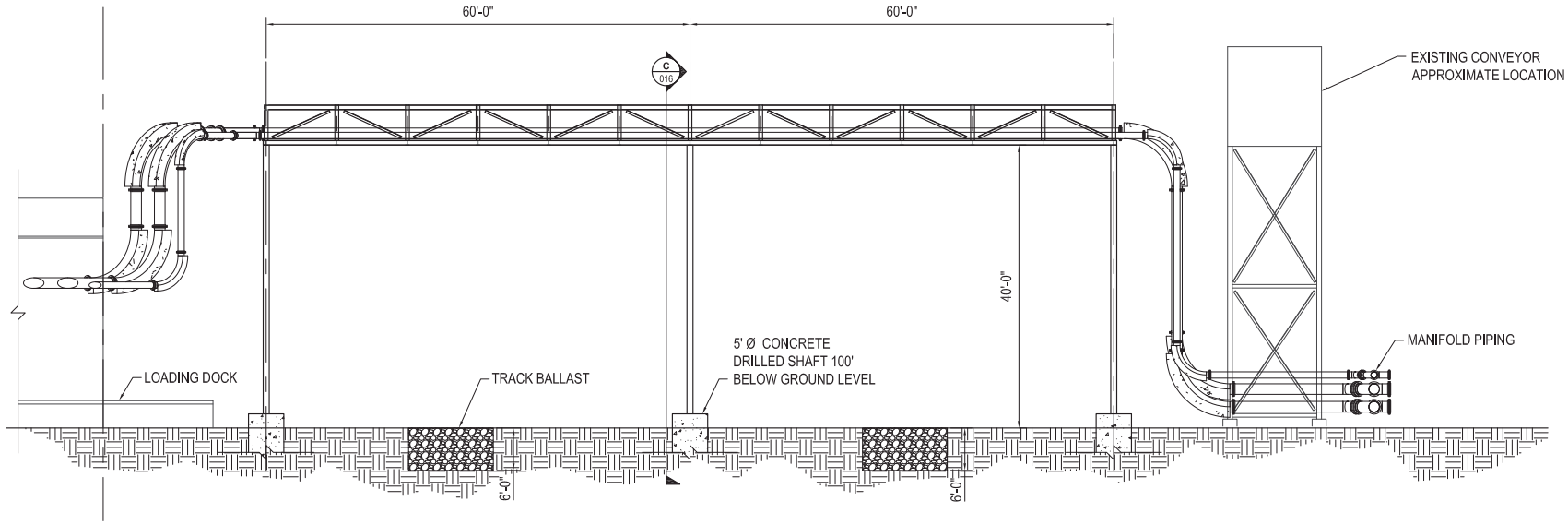
Environmental Audit, Inc.

OPTION A - SUBTERRANEAN PIPELINE
645 Switzer Street
San Diego, CA 92101

Project No. 2698

Figure 4

N:\2698\Underground Piping Option Figure.cdr



WAREHOUSE SIDE

BRIDGE ELEVATION

DOCK SIDE

SOURCE: Mitsubishi Cement Corporation

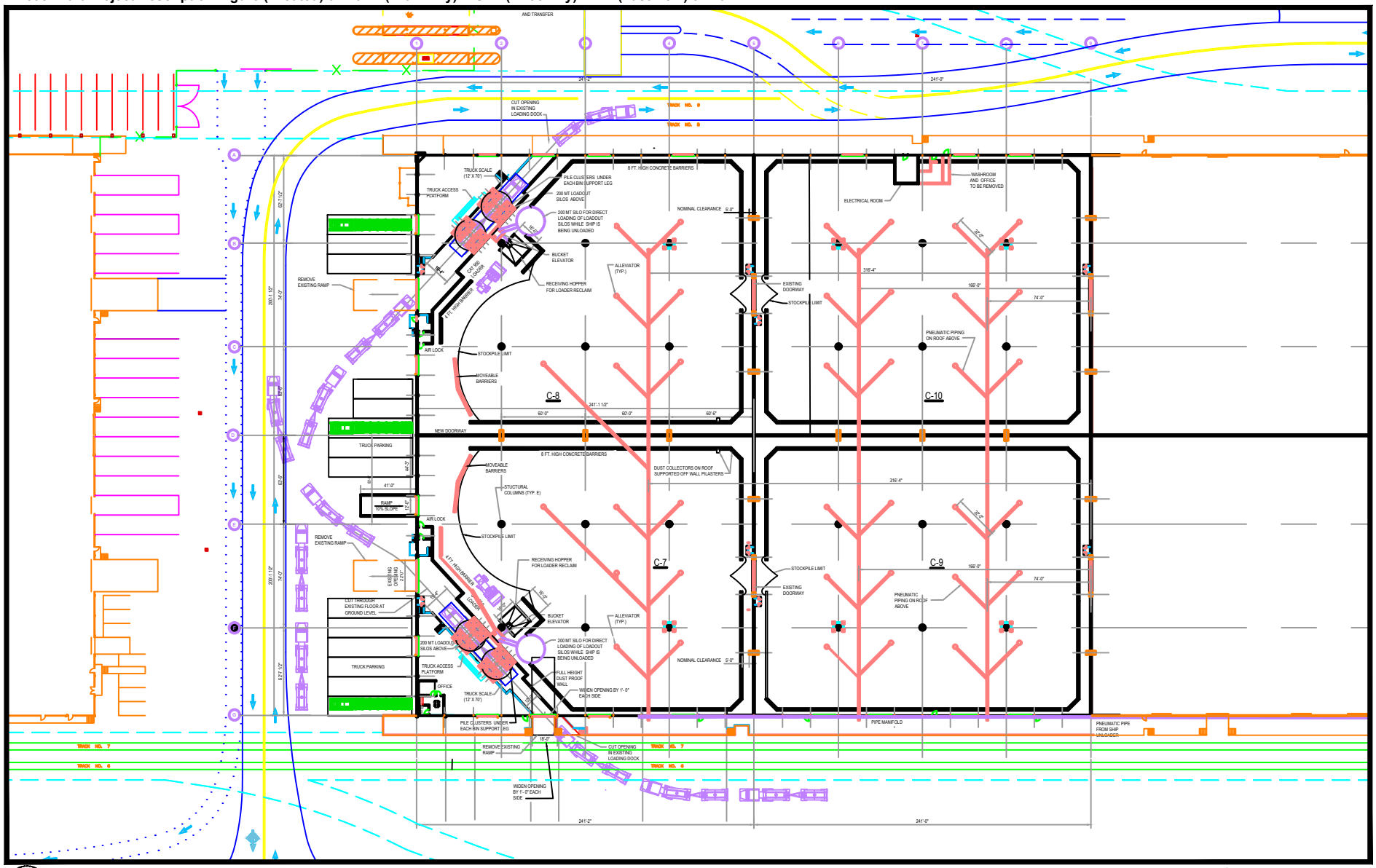
Environmental Audit, Inc.

OPTION B - OVERHEAD PIPELINE
645 Switzer Street
San Diego, CA 92101

Project No. 2698

Figure 5

N:\2698\Bridged Piping Option Figure.cdr



Environmental Audit, Inc.

0 100'

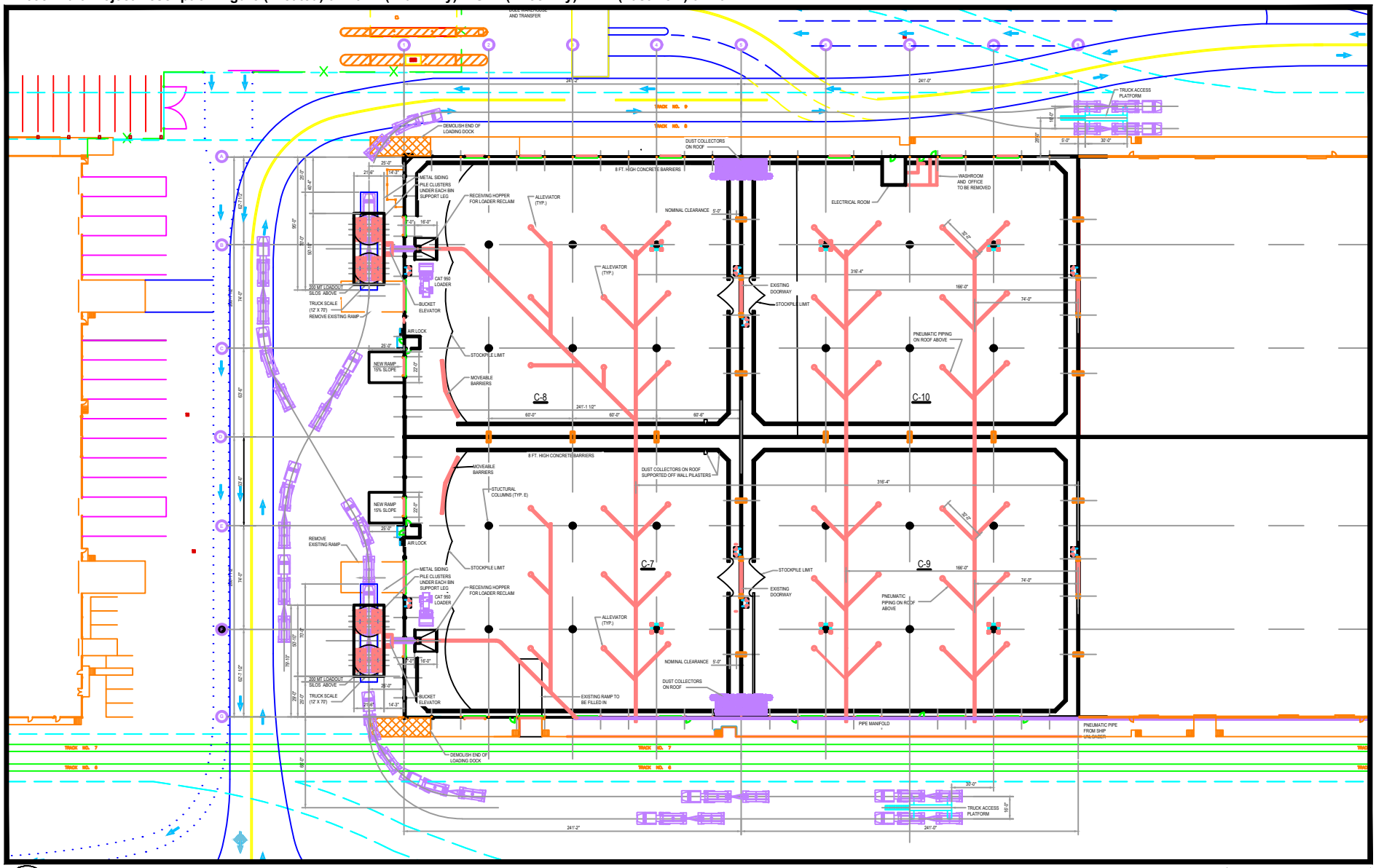
NORTH

OPTION A - TRUCK LOADING RACKS WITH 200MT SILOS WITH DUST COLLECTORS

Project No. 2698

Figure 6

I:\2698\Draft Project Description Figure (Created) 01/20/17 (Drawn By) A.S.K. (Check By) M.C. (Last Rev.) 01/20/17



Environmental Audit, Inc.

0 100'

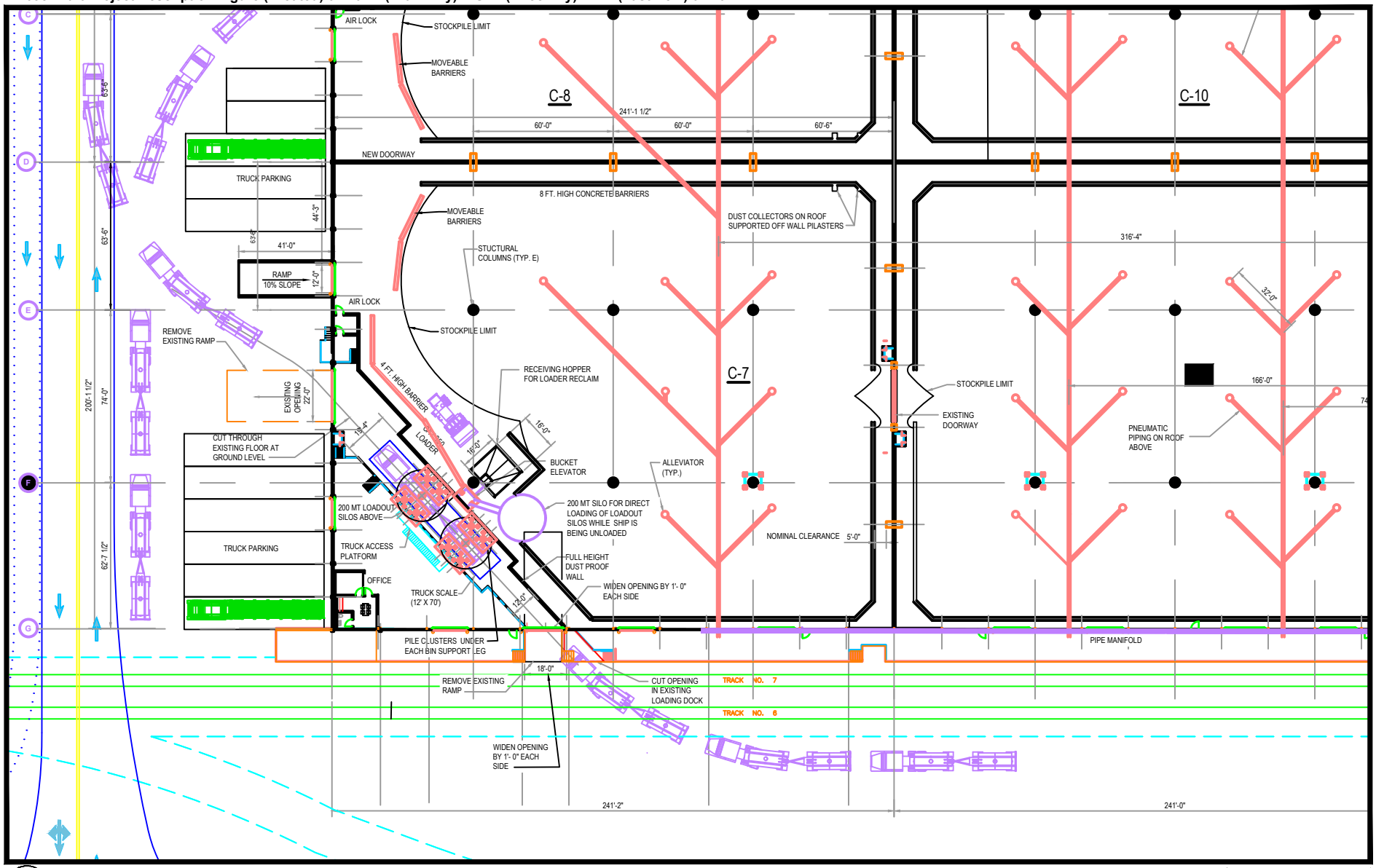
NORTH

OPTION B - TRUCK LOADING RACKS WITH 200MT SILOS WITH DUST COLLECTORS

Project No. 2698

Figure 7

I:\2698\Draft Project Description Figure (Created) 01/20/17 (Drawn By) A.S.K. (Check By) M.C. (Last Rev.) 01/20/17



Environmental Audit, Inc.

0 60'

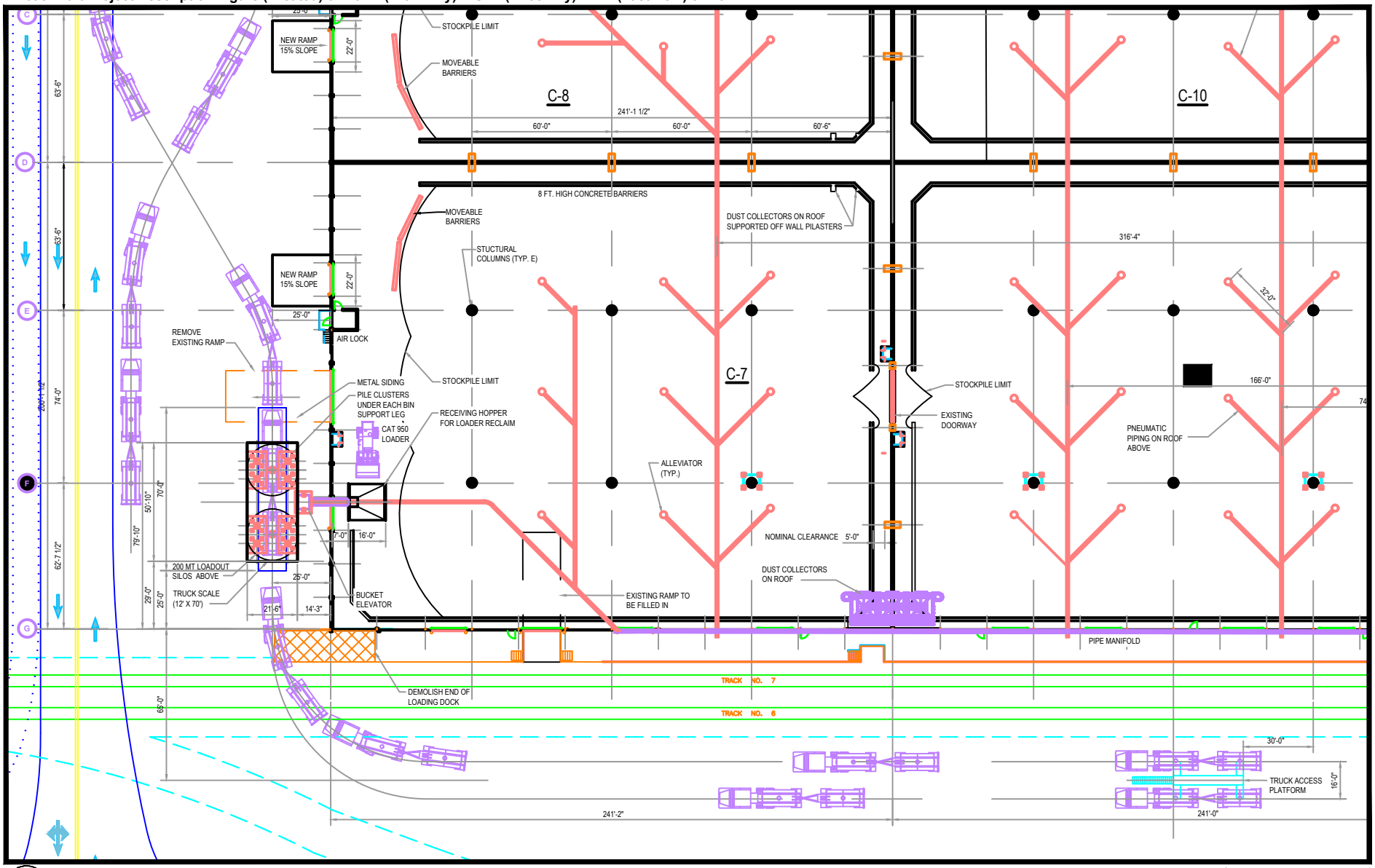
NORTH

OPTION A - TRUCK LOADING FACILITY AT BAY C-7

Project No. 2698

Figure 8

I:\2698\Draft Project Description Figure (Created) 01/20/17 (Drawn By) A.S.K. (Check By) M.C. (Last Rev.) 01/20/17



Environmental Audit, Inc.

0 60'

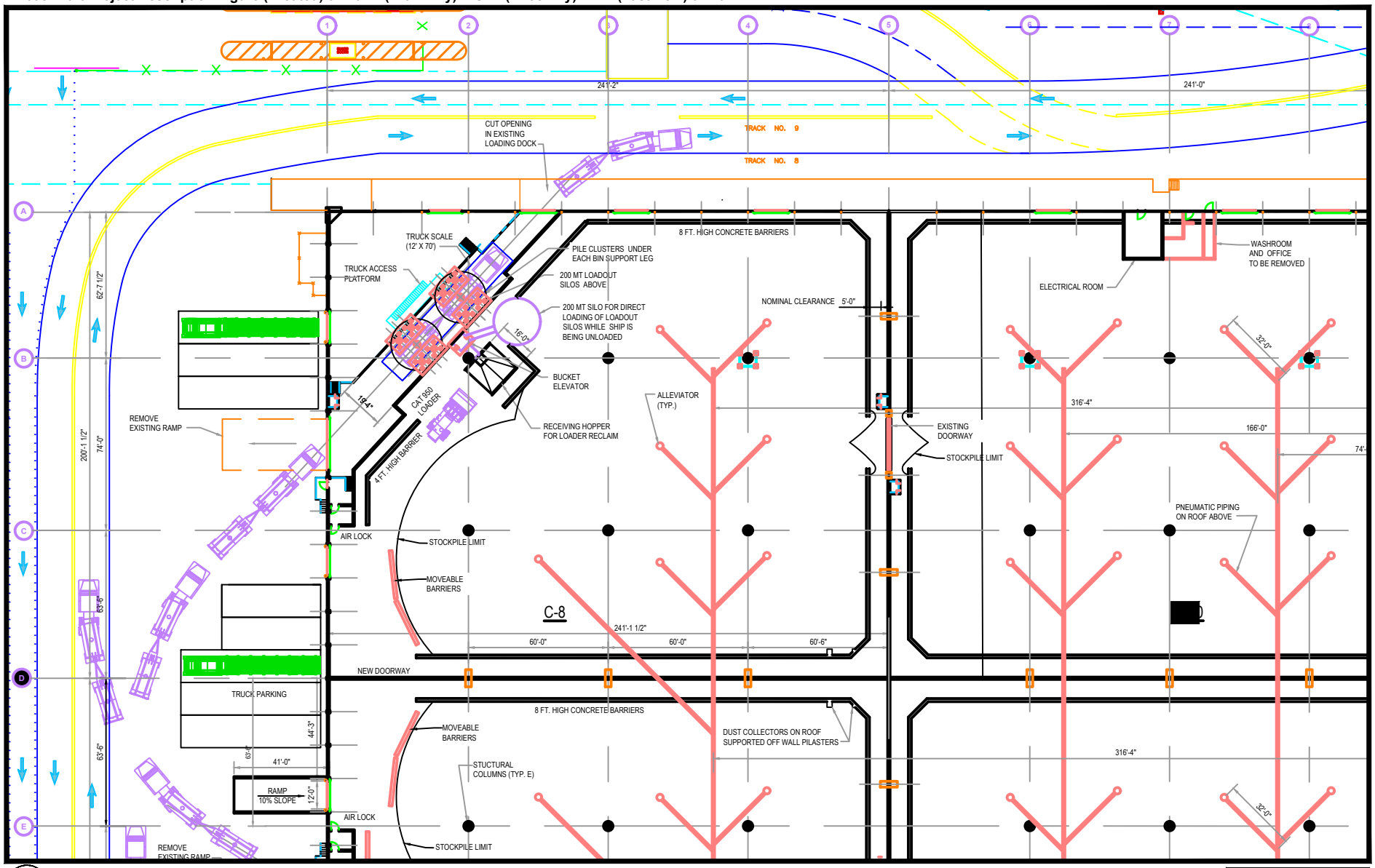
NORTH

OPTION B - TRUCK LOADING FACILITY AT BAY C-7

Project No. 2698

Figure 9

I:\2698\Draft Project Description Figure (Created) 01/20/17 (Drawn By) A.S.K. (Check By) M.C. (Last Rev.) 01/20/17



Environmental Audit, Inc.

0 60'

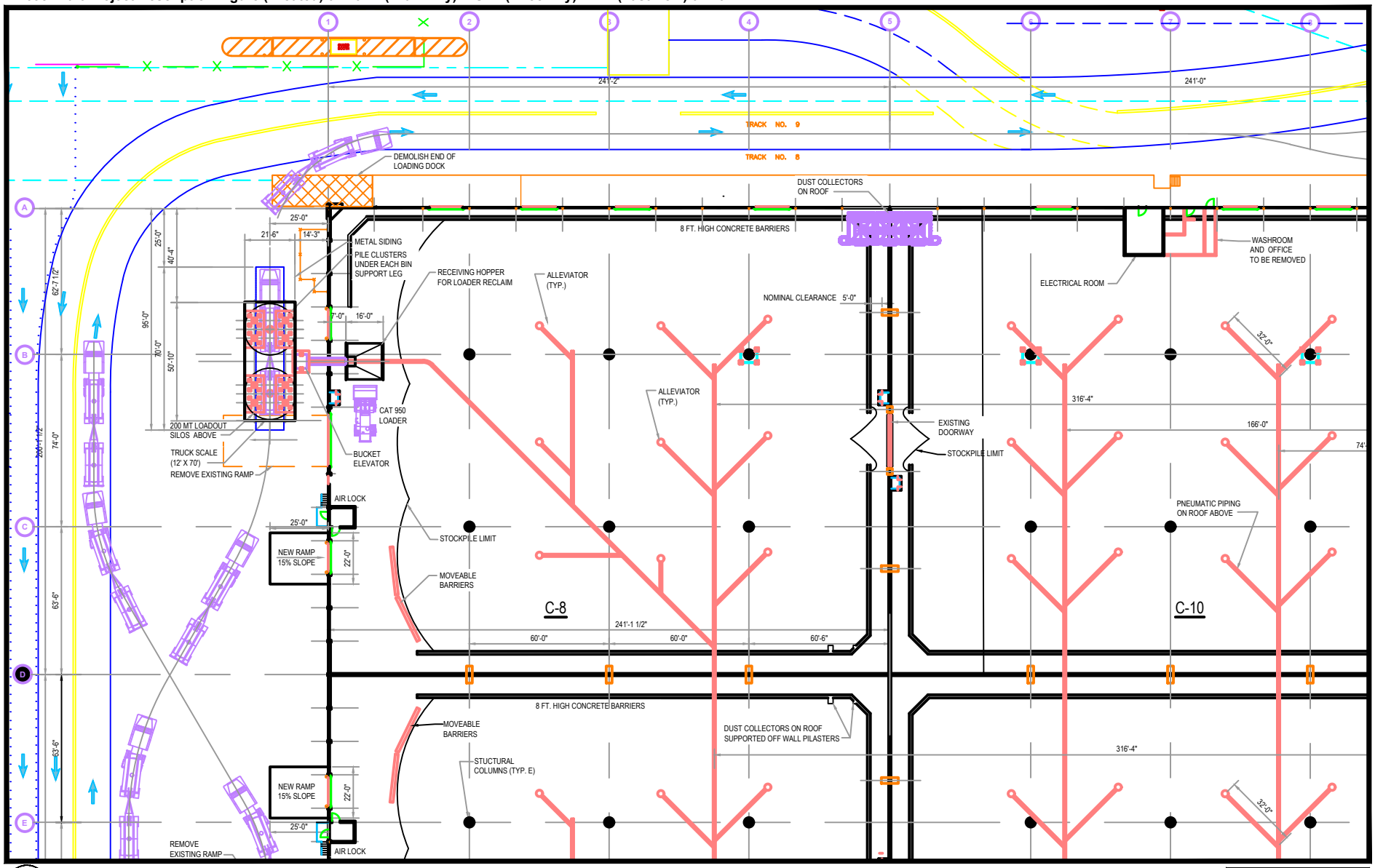
NORTH

OPTION A - TRUCK LOADING FACILITY AT BAY C-8

Project No. 2698

Figure 10

I:\2698\Draft Project Description Figure (Created) 01/20/17 (Drawn By) A.S.K. (Check By) M.C. (Last Rev.) 01/20/17



Environmental Audit, Inc.

0 60'

NORTH

OPTION B - TRUCK LOADING FACILITY AT BAY C-8

Project No. 2698

Figure 11

APPENDIX B

ENVIRONMENTAL DATABASE REPORT

TAMT - Warehouse C
645 Switzer Creek
San Diego, CA 92101

Inquiry Number: 4806830.2s
December 15, 2016

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

645 SWITZER CREEK
SAN DIEGO, CA 92101

COORDINATES

Latitude (North):	32.6986040 - 32° 41' 54.97''
Longitude (West):	117.1544160 - 117° 9' 15.89''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	485525.9
UTM Y (Meters):	3617695.5
Elevation:	15 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5622832 POINT LOMA, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140530
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
645 SWITZER CREEK
SAN DIEGO, CA 92101

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	SAN DIEGO GAS AND EL	623 SWITZER STREET	RCRA-LQG	Higher	1 ft.
A2	RESEARCH VESSEL ROBE	623 SWITZER	RCRA-LQG	Higher	1 ft.
A3	TROJAN STAR IMO# 822	623 SWITZER ST BERTH	CA HAZNET	Higher	1 ft.
A4	RESEARCH VESSEL ROBE	623 SWITZER	FINDS, ECHO	Higher	1 ft.
A5	OSIRUS DBA SELRICO S	623 SWITZER ST	CA HAZNET	Higher	1 ft.
A6	RESEARCH VESSEL MELV	623 SWITZER ST	CA HAZNET	Higher	1 ft.
A7	RESEARCH VESSEL ROGE	623 SWITZER	RCRA-LQG	Higher	1 ft.
A8	RESEARCH VESSEL ROBE	623 SWITZER ST	CA HAZNET	Higher	1 ft.
A9	HYDRO AGRI BAKER TAN	600 SWITZER ST	CA San Diego Co. HMMD	Higher	1 ft.
A10	MARINE TERMINALS COR	602 SWITZER ST	CA San Diego Co. HMMD	Higher	1 ft.
A11	US COAST GUARD	623 SWITZER ST	CA HAZNET	Higher	1 ft.
A12	RESEARCH VESSEL NEW	623 SWITZER	FINDS, ECHO	Higher	1 ft.
A13		623 SWITZER ST	ERNS	Higher	1 ft.
A14	MARINE TERMINALS COR	614 SWITZER ST	CA HAZNET	Higher	1 ft.
A15	RESEARCH VESSEL MELV	623 SWITZER	RCRA-LQG	Higher	1 ft.
A16	RESEARCH VESSEL MELV	623 SWITZER	FINDS, ECHO	Higher	1 ft.
A17	SAN DIEGO GAS AND EL	623 SWITZER STREET	FINDS, ECHO	Higher	1 ft.
A18	PORT OF SAN DIEGO G	632 SWITZER STREET 1	CA RGA LF	Higher	1 ft.
A19		623 SWITZER ST, CROS	CA CHMIRS	Higher	1 ft.
A20	SERLICO SERVICES INC	623 SWITZER ST	CA HAZNET	Higher	1 ft.
A21	OSIRUS DBA SELRICO S	623 SWITZER ST	CA HAZNET	Higher	1 ft.
A22	SELRICO SERVICES INC	623 SWITZER ST	CA HAZNET	Higher	1 ft.
A23	RESEARCH VESSEL SALL	623 SWITZER	FINDS, ECHO	Higher	1 ft.
A24	RESEARCH VESSEL ROGE	623 SWITZER	FINDS, ECHO	Higher	1 ft.
A25	COMMANDER, NAVY REGI	623 SWITZER ST	CA HAZNET	Higher	1 ft.
A26	RESEARCH VESSEL SALL	623 SWITZER	RCRA-LQG	Higher	1 ft.
A27	RESEARCH VESSEL NEW	623 SWITZER	RCRA-LQG	Higher	1 ft.
A28	RESEARCH VESSEL NEW	623 SWITZER ST	CA HAZNET	Higher	1 ft.
B29	TENTH AVE MARINE TER	BERTHS 10-1 & 10-2	CA LDS	Higher	1 ft.
A30	PORT OF SAN DIEGO-10	623 SWITZER ST	CA HAZNET	Higher	1 ft.
A31	STEVEDORING SERVICES	656 SWITZER ST	CA San Diego Co. HMMD	Higher	3, 0.001,
A32	KOVROV VESSEL #L8902	656 SWITZER	CA HAZNET	Higher	3, 0.001,
A33	STEVEDORING SERVICES	656 SWITZER ST	CA HAZNET	Higher	3, 0.001,
C34	MEAL COMPANY	1750 WATER STREET	FINDS	Higher	5, 0.001,
C35	FORMER PACIFIC MOLAS	1750 WATER ST	CA San Diego Co. HMMD, CA SWEEPS UST, CA HIST UST	Higher	5, 0.001,
B36	NORTH AMERICAN TERMI	1090 WATER ST	RCRA-SQG, CA San Diego Co. HMMD, CA SWEEPS UST, CA..	Higher	43, 0.008, NNW
C37	FREIGHT HANDLERS INC	1790 WATER ST	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co....	Higher	47, 0.009, ESE
D38	CEMEX CONSTRUCTION M	1155 TERMINAL	CA AST, CA San Diego Co. HMMD	Higher	99, 0.019, SSW
D39	CEMEX SAN DIEGO CEME	1155 TERMINAL AVE	CA AST	Higher	99, 0.019, SSW

MAPPED SITES SUMMARY

Target Property Address:
645 SWITZER CREEK
SAN DIEGO, CA 92101

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
C40	NRC ENVIRONMENTAL SV	1839 WATER ST	RCRA NonGen / NLR, CA HAZNET	Lower	131, 0.025, SE
C41	CROWLEY MARINE SERVI	1843 WATER ST	RCRA-SQG, CA San Diego Co. HMMD, FINDS, CA HAZNET,...	Lower	138, 0.026, SE
C42	SAN DIEGO UNIFIED PO	1875 WATER ST	CA LUST, CA SAN DIEGO CO. SAM, CA SLIC, CA San...	Lower	230, 0.044, ESE
C43	SANTA FE RAILWAY	1342 CROSBY ST	CA LUST, CA SWEEPS UST	Higher	252, 0.048, ESE
C44	FIRE RESCUE- FIRE ST	944 CROSBY ST	CA LUST, CA SLIC, CA San Diego Co. HMMD, CA HIST...	Higher	252, 0.048, ESE
C45	TUNA CLIPPER	1444 CROSBY ST	CA LUST, CA HIST UST	Higher	252, 0.048, ESE
C46	TUNA CLIPPER	1444 CROSBY	CA LUST, CA SAN DIEGO CO. SAM, CA SLIC, CA SWEEPS...	Higher	252, 0.048, ESE
C47	SANTA FE INTERMODAL	1342 CROSBY ST	CA LUST, CA SLIC, CA San Diego Co. HMMD, CA...	Higher	252, 0.048, ESE
48	10TH AVENUE MARINE T	920 GULL ST	CA UST	Higher	859, 0.163, NNW
49	MOUTH OF SWITZER CRE	0 WATER STREET	CA SLIC	Lower	970, 0.184, NW
50	G & S ENGINEERING	1200 HARBOR DR	CA LUST, CA SAN DIEGO CO. SAM	Higher	1062, 0.201, North
E51	PACIFIC MARITIME FRE	1444 CESAR E. CHAVEZ	CA SLIC	Higher	1146, 0.217, ESE
F52	RALSTON PURINA/VAN C	1025 E HARBOR DR	CA SAN DIEGO CO. SAM, CA San Diego Co. HMMD	Higher	1151, 0.218, North
F53	RALSTON PURINA/VAN C	1025 E HARBOR DR	CA SLIC, CA HIST UST	Higher	1151, 0.218, North
F54	RALSTON PURINA COMPA	1025 HARBOR DR E	CA LUST	Higher	1220, 0.231, North
F55	THE JANKOVICH COMPAN	961 E HARBOR DR	CA SLIC, CA AST, CA San Diego Co. HMMD	Higher	1224, 0.232, NNW
F56	WESPAC PIPELINES-SAN	961 EAST HARBOR DRIV	CA AST	Higher	1224, 0.232, NNW
57	CHEVRON USA INC EMBA	1820 N HARBOR DR	RCRA-SQG, CA LUST, FINDS, CA HIST CORTESE, ECHO	Higher	1275, 0.241, East
E58	BURLINGTON NORHTERN	1342 CESAR E CHAVEZ	RCRA-SQG, FINDS, ECHO	Higher	1282, 0.243, ESE
F59	FOSS ENVIRONMENTAL S	909 E HARBOR DR	TX Ind. Haz Waste	Higher	1298, 0.246, NNW
G60	YOUNGS MARKET CO	1709 MAIN ST	CA LUST, CA SAN DIEGO CO. SAM, CA San Diego Co....	Higher	1354, 0.256, ENE
G61	YOUNG'S MARKET COMPA	1709 MAIN ST S	CA LUST	Higher	1354, 0.256, ENE
62	SHELL SERVICE STATIO	1699 MAIN	CA San Diego Co. HMMD, CA HIST CORTESE	Higher	1398, 0.265, NE
G63	SUPERIOR CRANE AND R	1779 MAIN STREET	SEMS-ARCHIVE	Higher	1416, 0.268, ENE
64	RESTAURANT DEPOT	1335 CESAR E CHAVEZ	CA LUST	Higher	1547, 0.293, ESE
H65	CAMPBELL INDUSTRIES	8TH AVE & HARBOR DR	CA SLIC	Higher	1704, 0.323, NNW
H66	PORT OF SAN DIEGO DI	825 E HARBOR DR	RCRA-SQG, CA LUST, CA HAZNET	Higher	1719, 0.326, NNW
H67	SAN DIEGO UNIFIED PO	825 E HARBOR DR	CA LUST, CA SWEEPS UST	Higher	1719, 0.326, NNW
H68	SD PORT DISTRICT MAI	825 E HARBOR DR	CA SAN DIEGO CO. SAM, CA San Diego Co. HMMD, CA...	Higher	1719, 0.326, NNW
69	SAN DIEGO TROLLEY, I	1535 NEWTON AV	CA SAN DIEGO CO. SAM, CA SLIC, CA AST, CA San...	Higher	1743, 0.330, NNE
H70	PORT DISTRICT MAINTE	825 HARBOR	CA HIST CORTESE	Higher	1769, 0.335, NNW
H71	MTS - OLD TOWN LIGHT	NONE BENEATH GRAPE A	CA SLIC	Higher	1806, 0.342, NNW
I72	MINI TRUCK	1700 NEWTON AV	CA SLIC, CA San Diego Co. HMMD, CA NPDES, CA WDS	Higher	1821, 0.345, NE
J73		1640 NEWTON AVE	CA Notify 65	Higher	1853, 0.351, NE
74	FRASER'S BOILER SERV	1746 NEWTON AV	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co....	Higher	1862, 0.353, ENE
K75	NATIONAL PUMP INJECT	1901 MAIN STREET	CA ENVIROSTOR, CA SAN DIEGO CO. SAM, CA SLIC, CA...	Higher	1868, 0.354, East
K76	FORMER NATIONAL PUMP	1901 MAIN ST	CA SAN DIEGO CO. SAM	Higher	1868, 0.354, East
J77	ACTION CLEANING	1604 NEWTON	CA LUST, CA SAN DIEGO CO. SAM, CA San Diego Co....	Higher	1886, 0.357, NE
J78	ACTION CLEANING	1604 NEWTON AVE	CA LUST	Higher	1886, 0.357, NE

MAPPED SITES SUMMARY

Target Property Address:
645 SWITZER CREEK
SAN DIEGO, CA 92101

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
I79		1025 SIGSBEE ST.	CA Notify 65	Higher	1957, 0.371, NE
K80	MERCADO COMMERCIAL C	1920 MAIN ST	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co....	Higher	2019, 0.382, East
L81	CITY OF SAN DIEGO	800 HARBOR DR	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co....	Higher	2036, 0.386, NNW
82	TOSCO IDLE PIPELINE	8TH STREET/HARBOR AV	CA ENVIROSTOR	Higher	2051, 0.388, NW
J83	CENTRAL MEAT AND PRO	1603 NATIONAL AVENUE	CA LUST, CA SAN DIEGO CO. SAM, CA San Diego Co....	Higher	2061, 0.390, NE
84	LOGAN HEIGHTS FAMILY	1809 NATIONAL AV	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co....	Higher	2085, 0.395, ENE
L85	SDGE/STATION	45 09TH AV	CA LUST, CA SAN DIEGO CO. SAM, CA SLIC, CA San...	Higher	2093, 0.396, NNW
M86	PEPPER INDUSTRIES IN	1501 NATIONAL AVE	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co....	Higher	2100, 0.398, NNE
N87	SAN DIEGO GAS WORKS	9TH STREET BTWN IMPE	EDR MGP	Higher	2106, 0.399, North
O88	GRAYBILL TERMINAL(FO	1551 NATIONAL AVENUE	CA ENVIROSTOR	Higher	2126, 0.403, NNE
O89	FORMER GRAYBILL TERM	1531 NATIONAL AVENUE	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co....	Higher	2127, 0.403, NNE
O90	GRAYBILL TERMINALS C	1531 NATIONAL AVENUE	CA SLIC	Higher	2127, 0.403, NNE
O91	GRAYBILL TERMINALS	1531 NATIONAL AVE	CA LUST	Higher	2127, 0.403, NNE
P92	METROPOLITAN TRANSIT	1255 IMPERIAL AV	CA SAN DIEGO CO. SAM, CA San Diego Co. HMMD, CA...	Higher	2132, 0.404, North
Q93		1702 NATIONAL AVE	CA Notify 65	Higher	2176, 0.412, NE
Q94	SUPER WELDING OF SO.	1702 NATIONAL AV	CA SAN DIEGO CO. SAM, CA SLIC	Higher	2176, 0.412, NE
R95	A.O. REED	1990 MAIN	CA LUST, CA SAN DIEGO CO. SAM, CA San Diego Co....	Higher	2188, 0.414, East
R96	A.O. REED	1990 MAIN ST	CA LUST	Higher	2188, 0.414, East
O97	BARRIOHAUS	1600 NATIONAL AVENUE	CA SLIC	Higher	2192, 0.415, NNE
98	SOUTHWEST MARINE INC	FOOT OF SAMPSON ST	CA LUST, CA San Diego Co. HMMD, CA EMI, CA HIST...	Higher	2211, 0.419, ESE
M99	RELIABLE PIPE SUPPLY	1430 NATIONAL AV	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co....	Higher	2216, 0.420, NNE
100	CATELLUS DEVELOPMENT	702 HARBOR DR	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co....	Higher	2221, 0.421, NNW
L101	MTDB LEASEHOLD	93 08TH AV	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co....	Higher	2227, 0.422, NNW
S102	CENTER CITY TOWING	1668 NATIONAL AV	CA ENVIROSTOR, CA SAN DIEGO CO. SAM, CA SLIC, CA...	Higher	2228, 0.422, NE
S103	PACIFIC TREATMENT CO	1668 NATIONAL AVE	CA ENVIROSTOR	Higher	2228, 0.422, NE
S104	PACIFIC TREATMENT	1668 NATIONAL AVENUE	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-SQG, CA...	Higher	2228, 0.422, NE
N105	CITY OF SAN DIEGO	800 IMPERIAL AV	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co....	Higher	2238, 0.424, North
T106	EVRDA LOP (535-562-0	822 IMPERIAL AVE	CA LUST	Higher	2240, 0.424, North
T107	PLANT PRODUCTS & SUP	822 IMPERIAL AV	CA LUST, CA SAN DIEGO CO. SAM, CA San Diego Co....	Higher	2240, 0.424, North
U108	R.E. STAITE / CP KEL	2025 EAST HARBOR DRI	CA SLIC	Higher	2240, 0.424, ESE
U109	CP KELCO	2025 HARBOR DR	CA SLIC, CA CHMIRS, CA NPDES	Higher	2240, 0.424, ESE
U110	KELCO	2025 HARBOR DR	CA SAN DIEGO CO. SAM, CA San Diego Co. HMMD	Higher	2240, 0.424, ESE
U111	CP KELCO	2025 HARBOR DR E	RCRA-LQG, CA ENVIROSTOR, ICIS, US AIRS, FINDS,...	Higher	2240, 0.424, ESE
V112	THE FACTORY ROWHOMES	1776 NATIONAL AVENUE	CA SLIC	Higher	2257, 0.427, ENE
V113	TROPIC ICE CREAM	1776 NATIONAL	CA LUST, CA SAN DIEGO CO. SAM, CA San Diego Co....	Higher	2257, 0.427, ENE
V114	TROPIC ICE CREAM CO	1776 NATIONAL AVE	CA LUST, CA SWEEPS UST	Higher	2257, 0.427, ENE
115	MERCADO DEL BARRIO	CESAR CHAVEZ PARKWAY	CA SLIC	Higher	2264, 0.429, East
P116	TRIANGLE PROPERTY	65 13TH ST	CA SAN DIEGO CO. SAM, CA SLIC	Higher	2287, 0.433, NNE
P117	MTS TOWER PARKING GA	12TH & IMPERIAL AVE.	CA SLIC	Higher	2291, 0.434, North

MAPPED SITES SUMMARY

Target Property Address:
645 SWITZER CREEK
SAN DIEGO, CA 92101

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
P118	SDG & E PROPERTY	0 IMPERIAL AV	CA SAN DIEGO CO. SAM, CA SLIC	Higher	2296, 0.435, North
W119	CROSBY ST CORRIDOR	NONE CROSBY ST	CA SLIC	Higher	2313, 0.438, ENE
W120	SEE CASE H39637-002	NONE NATIONAL AVENUE	CA SLIC	Higher	2313, 0.438, ENE
W121	BETTENCOURT AUTO BOD	1865 NATIONAL AVE	CA LUST, CA HIST CORTESE	Higher	2317, 0.439, ENE
V122	ROGELIO GARAGES	1792 NATIONAL AVE	CA LUST, CA SWEEPS UST	Higher	2328, 0.441, ENE
V123	YE OLDE TOWN PUMP	1792 NATIONAL AV	CA LUST, CA SAN DIEGO CO. SAM, CA San Diego Co....	Higher	2328, 0.441, ENE
124	LOOMIS ARMORED INC	2001 MAIN ST	CA LUST, CA SAN DIEGO CO. SAM, CA San Diego Co....	Higher	2354, 0.446, East
M125	HERTZ - PENSKE TRUCK	1402 COMMERCIAL	CA LUST, CA SLIC, CA SWEEPS UST, CA HIST CORTESE	Higher	2358, 0.447, NNE
M126	PENSKE TRUCK LEASING	1402 COMMERCIAL ST	CA SAN DIEGO CO. SAM, CA UST, CA San Diego Co....	Higher	2358, 0.447, NNE
127	IMPERIAL AV 8TH> >9T	NONE IMPERIAL/BTWN8T	CA SLIC	Higher	2372, 0.449, NNW
X128	URBAN CORPS OF SAN D	1864 NATIONAL AV	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co....	Higher	2427, 0.460, ENE
Y129	SAINT VINCENT DE PAU	1501 IMPERIAL AV	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co....	Higher	2461, 0.466, NNE
Z130	CONTINENTAL BAKING C	1401 IMPERIAL AVE	CA LUST, CA SWEEPS UST	Higher	2477, 0.469, NNE
Z131	INTERSTATE BRANDS CO	1401 IMPERIAL	CA LUST, CA SAN DIEGO CO. SAM, CA SLIC, CA San...	Higher	2477, 0.469, NNE
Z132	SAN DIEGO GAS & ELEC	NONE 14TH ST & IMPER	CA SLIC	Higher	2479, 0.470, NNE
S133	HUGHES ATTORNEY SERV	1643 LOGAN AV	CA SAN DIEGO CO. SAM	Higher	2483, 0.470, NE
S134	HUGHES ATTORNEY SERV	1643 LOGAN	CA LUST, CA San Diego Co. HMMD, CA HIST CORTESE	Higher	2483, 0.470, NE
S135	HUGHES ATTORNEY SERV	1643 LOGAN AVE	CA LUST	Higher	2483, 0.470, NE
Y136	ST. VINCENT DE PAUL	16 15TH ST	CA SAN DIEGO CO. SAM, CA HIST UST	Higher	2488, 0.471, NNE
Y137	ST. VINCENT DE PAUL	16 15TH ST	CA LUST, CA SLIC, CA San Diego Co. HMMD, CA SWEEPS...	Higher	2488, 0.471, NNE
Z138	SAN DIEGO GAS & ELEC	14TH ST & IMPERIAL	CA SAN DIEGO CO. SAM	Higher	2496, 0.473, NNE
AA139	SQUIRES BELT MATERIA	149 12TH AVE	CA LUST, CA SWEEPS UST	Higher	2500, 0.473, North
V140	SAN DIEGO SAW AND KN	1765 LOGAN AVE	RCRA-SQG, CA LUST, CA SAN DIEGO CO. SAM, CA SLIC,...	Higher	2524, 0.478, ENE
Y141	IMPERIAL AVENUE AFFO	1435 IMPERIAL AVENUE	CA ENVIROSTOR, CA VCP	Higher	2527, 0.479, NNE
AB142	LUIS AUTO SERVICES	1603 LOGAN AV	CA SAN DIEGO CO. SAM, CA SLIC	Higher	2540, 0.481, NE
AC143	SAN DIEGO UNIFIED PO	501 HARBOR DR	CA LUST, CA SAN DIEGO CO. SAM, CA San Diego Co....	Higher	2597, 0.492, NNW
AD144	CONTINENTAL OF SAN D	1995 BAY FRONT	SEMS-ARCHIVE, RCRA-LQG, CA LUST, CA SAN DIEGO CO...	Higher	2602, 0.493, ESE
AD145	CONTINENTAL MARITIME	1995 BAY FRONT STREE	CA ENVIROSTOR, CA SLIC, CA San Diego Co. HMMD, CA...	Higher	2602, 0.493, ESE
AD146	CONTINENTAL MARITIME	1995 BAY FRONT STREE	CA SLIC	Higher	2602, 0.493, ESE
AD147	CONTINENTAL MARITIME	1995 BAYFRONT ST	CA LUST, CA SAN DIEGO CO. SAM, CA San Diego Co....	Higher	2602, 0.493, ESE
AD148	CONTINENTAL MARITIME	1995 BAY FRONT ST	CA SLIC, CA EMI	Higher	2602, 0.493, ESE
149	JOHNSON TRUCK REPAIR	1931 NEWTON AV	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co....	Higher	2602, 0.493, East
AA150	SDG&E STATION A - BL	175 11TH ST/1100 L	CA LUST, CA HIST CORTESE	Higher	2604, 0.493, North
X151	SDCTY-FIRE STATION #	944 CROSBY ST	CA SAN DIEGO CO. SAM, CA UST, CA SWEEPS UST	Higher	2620, 0.496, ENE
AB152	SAINT VINCENT DE PAU	15TH & 16TH STREETS	CA SLIC	Higher	2630, 0.498, NNE
Y153	STUDIO 15	70 15TH STREET	CA ENVIROSTOR, CA SAN DIEGO CO. SAM, CA VCP, CA...	Higher	2671, 0.506, NNE
AD154	HARBOR BOAT AND TUG	2145 BELT ST	CA ENVIROSTOR, CA LUST, CA SLIC, CA AST, CA SWEEPS..	Higher	2719, 0.515, ESE
AC155	CAMPBELL INDUSTRIES	501 EAST HARBOUR DRI	CA ENVIROSTOR, CA LUST	Higher	2849, 0.540, NNW
156	HARD ROCK HOTEL	208-228 6TH AVENUE A	CA ENVIROSTOR	Higher	2857, 0.541, NNW

MAPPED SITES SUMMARY

Target Property Address:
645 SWITZER CREEK
SAN DIEGO, CA 92101

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
157	SDG&E/STATION A BLOC	250 10TH AV	CA ENVIROSTOR, CA SAN DIEGO CO. SAM, CA SLIC, CA...	Higher	2870, 0.544, North
AE158	PACIFIC TREATMENT CO	2146 MAIN ST	CA ENVIROSTOR, CA San Diego Co. HMMD, CA HWP	Higher	3057, 0.579, ESE
AE159	MASTER PLATING	2109 NEWTON AVE	RCRA-SQG, CA ENVIROSTOR, CA San Diego Co. HMMD,...	Higher	3072, 0.582, East
AE160	CLEANING DYNAMICS	2190 MAIN	CA ENVIROSTOR, CA LUST, CA HAZNET, CA HIST CORTESE	Higher	3198, 0.606, ESE
AE161	PACIFIC TREATMENT CO	2190 MAIN ST	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-SQG,...	Higher	3198, 0.606, ESE
162	CROWN BAY	4TH & K	CA ENVIROSTOR	Higher	3398, 0.644, NNW
AF163	DIAMOND TERRACE	427 9TH AVE.	CA ENVIROSTOR	Higher	3502, 0.663, North
AF164	CONTINENTAL CLEANERS	450 10TH AV	CA ENVIROSTOR, CA SAN DIEGO CO. SAM, CA SLIC, CA...	Higher	3536, 0.670, North
165	CHEVRON HARBOR TERMI	2295 BELT STREET	CA ENVIROSTOR, CA CHMIRS	Higher	3549, 0.672, ESE
166	FISCHER PARCEL	304 J STREET	CA ENVIROSTOR, CA SAN DIEGO CO. SAM, CA SLIC, CA...	Higher	3880, 0.735, NNW
167	PACIFIC AIRMOTIVE	544 7TH AVENUE	CA ENVIROSTOR	Higher	4019, 0.761, NNW
168	SDUSD - MAINTENANCE	1826 IRVING AV	CA ENVIROSTOR, CA LUST, CA SAN DIEGO CO. SAM, CA...	Higher	4069, 0.771, ENE
169	ISLAND AVE. AUTO SHO	1434-90 ISLAND AVENU	CA ENVIROSTOR	Higher	4118, 0.780, NNE
170	BARRIO STATION INC	2320 NEWTON AV	CA ENVIROSTOR, CA SAN DIEGO CO. SAM, CA SLIC, CA...	Higher	4264, 0.808, ESE
171	BURBANK ELEMENTARY E	2146 JULIAN AVENUE	CA ENVIROSTOR, CA SCH	Higher	4280, 0.811, East
172	INTRACORP/SLATER SIT	656-668 NINTH AVENUE	CA ENVIROSTOR	Higher	4412, 0.836, North
173	YELLOW CAB OF SAN DI	639 13 STREET	CA ENVIROSTOR	Higher	4429, 0.839, North
174	CORONADO CENTER DRY	110 'B' AVENUE	CA ENVIROSTOR	Higher	4474, 0.847, West
175	FOSTER WEST	1122 G ST	CA ENVIROSTOR, CA LUST, CA SLIC, CA HIST CORTESE	Higher	4558, 0.863, North
AG176	MIDAS MUFFLER(FORMER	668 SIXTH AVENUE	CA ENVIROSTOR	Higher	4562, 0.864, NNW
AG177	NORTH BLOCK LOFTS	735 6TH AVE.	CA ENVIROSTOR	Higher	4792, 0.908, NNW
178	ABC CONSTRUCTION CO	2665 NATIONAL AVE	RCRA-SQG, CA LUST, CA SAN DIEGO CO. SAM, CA SLIC,...	Higher	4889, 0.926, East
179	F11 MIXED-USE	1110 F STREET	CA SLIC, CA Notify 65	Higher	4928, 0.933, North
180	SAN DIEGO SHIP BUILD	980 F STREET	CA ENVIROSTOR, CA San Diego Co. HMMD	Higher	4942, 0.936, North
181		333 24TH ST	CA Notify 65	Higher	5011, 0.949, NE
182	PACIFIC SOAP CO.	301 WEST MARKET	CA ENVIROSTOR	Higher	5138, 0.973, NW
183	TDY INDUSTRIES, INC.	2701 NORTH HARBOR DR	RCRA-TSDF, RCRA-CESQG, CA LUST, CA SLIC, CA...	Higher	5211, 0.987, ESE
184	GIFFORD'S BARRELS	2606 COMMERCIAL STRE	CA ENVIROSTOR	Higher	5256, 0.995, ENE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls

State- and tribal - equivalent NPL

CA RESPONSE ---------- State Response Sites

State and tribal landfill and/or solid waste disposal site lists

CA SWF/LF ---------- Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
INDIAN UST ---------- Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

State and tribal voluntary cleanup sites

INDIAN VCP ---- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

CA BROWNFIELDS ---- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

CA SWRCY ---- Recycler Database
CA HAULERS ---- Registered Waste Tire Haulers Listing
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---- Open Dump Inventory
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
CA HIST Cal-Sites ---- Historical Calsites Database
CA CDL ---- Clandestine Drug Labs
CA Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST ---- Facility Inventory Database

Local Land Records

CA LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CA MCS ---- Military Cleanup Sites Listing
CA SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List

EXECUTIVE SUMMARY

TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US MINES	Mines Master Index File
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
CA Cortese	"Cortese" Hazardous Waste & Substances Sites List
CA CUPA Listings	CUPA Resources List
CA DRYCLEANERS	Cleaner Facilities
CA HWT	Registered Hazardous Waste Transporter Database
CA MINES	Mines Site Location Listing
CA MWMP	Medical Waste Management Program Listing
CA PEST LIC	Pesticide Regulation Licenses Listing
CA PROC	Certified Processors Database
CA UIC	UIC Listing
CA WASTEWATER PITS	Oil Wastewater Pits Listing
CA WIP	Well Investigation Program Case List
CA ICE	ICE
FUELS PROGRAM	EPA Fuels Program Registered Listing
ABANDONED MINES	Abandoned Mines

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto	EDR Exclusive Historic Gas Stations
EDR Hist Cleaner	EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 03/07/2016 has revealed that there are 3 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUPERIOR CRANE AND R	1779 MAIN STREET	ENE 1/4 - 1/2 (0.268 mi.)	G63	145
PACIFIC TREATMENT	***1668 NATIONAL AVENUE***	***NE 1/4 - 1/2 (0.422 mi.)***	***S104***	***260***
CONTINENTAL OF SAN D	***1995 BAY FRONT***	***ESE 1/4 - 1/2 (0.493 mi.)***	***AD144***	***459***

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/27/2016 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC TREATMENT	***1668 NATIONAL AVENUE***	***NE 1/4 - 1/2 (0.422 mi.)***	***S104***	***260***
PACIFIC TREATMENT CO	***2190 MAIN ST***	***ESE 1/2 - 1 (0.606 mi.)***	***AE161***	***568***

EXECUTIVE SUMMARY

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 06/21/2016 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC TREATMENT	***1668 NATIONAL AVENUE***	***NE 1/4 - 1/2 (0.422 mi.)***	***S104***	***260***

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/21/2016 has revealed that there are 6 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAN DIEGO GAS AND EL	623 SWITZER STREET	0 - 1/8 (0.000 mi.)	A1	8
RESEARCH VESSEL ROBE	623 SWITZER	0 - 1/8 (0.000 mi.)	A2	10
RESEARCH VESSEL ROGE	623 SWITZER	0 - 1/8 (0.000 mi.)	A7	18
RESEARCH VESSEL MELV	623 SWITZER	0 - 1/8 (0.000 mi.)	A15	28
RESEARCH VESSEL SALL	623 SWITZER	0 - 1/8 (0.000 mi.)	A26	42
RESEARCH VESSEL NEW	623 SWITZER	0 - 1/8 (0.000 mi.)	A27	46

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/21/2016 has revealed that there are 4 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH AMERICAN TERMI	***1090 WATER ST***	***NNW 0 - 1/8 (0.008 mi.)***	***B36***	***58***
CHEVRON USA INC EMBA	***1820 N HARBOR DR***	***E 1/8 - 1/4 (0.241 mi.)***	***57***	***130***
BURLINGTON NORHTERN	***1342 CESAR E CHAVEZ***	***ESE 1/8 - 1/4 (0.243 mi.)***	***E58***	***132***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
CROWLEY MARINE SERVI	***1843 WATER ST***	***SE 0 - 1/8 (0.026 mi.)***	***C41***	***77***

Federal ERNS list

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 09/26/2016 has revealed that there is 1 ERNS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	623 SWITZER ST	0 - 1/8 (0.000 mi.)	A13	27

State- and tribal - equivalent CERCLIS

CA ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the CA ENVIROSTOR list, as provided by EDR, and dated 08/01/2016 has revealed that there are 35 CA ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL PUMP INJECT Facility Id: 37990010 Status: Refer: 1248 Local Agency	***1901 MAIN STREET***	***E 1/4 - 1/2 (0.354 mi.)***	***K75***	***190***
TOSCO IDLE PIPELINE Facility Id: 37130001 Status: Refer: 1248 Local Agency	8TH STREET/HARBOR AV	NW 1/4 - 1/2 (0.388 mi.)	82	202
GRAYBILL TERMINAL(FO Facility Id: 37510139 Status: Refer: 1248 Local Agency	1551 NATIONAL AVENUE	NNE 1/4 - 1/2 (0.403 mi.)	O88	221
CENTER CITY TOWING Facility Id: 37280047 Status: Refer: RCRA	***1668 NATIONAL AV***	***NE 1/4 - 1/2 (0.422 mi.)***	***S102***	***257***
PACIFIC TREATMENT CO Facility Id: 80001736 Status: No Action Required	1668 NATIONAL AVE	NE 1/4 - 1/2 (0.422 mi.)	S103	259
CP KELCO Facility Id: 37000035 Status: Refer: 1248 Local Agency	***2025 HARBOR DR E***	***ESE 1/4 - 1/2 (0.424 mi.)***	***U111***	***327***
IMPERIAL AVENUE AFFO Facility Id: 60002200 Status: Active	***1435 IMPERIAL AVENUE***	***NNE 1/4 - 1/2 (0.479 mi.)***	***Y141***	***448***
CONTINENTAL MARITIME	***1995 BAY FRONT STREE***	***ESE 1/4 - 1/2 (0.493 mi.)***	***AD145***	***474***

Facility Id: 71002826 Status: Inactive - Needs Evaluation				
STUDIO 15 Facility Id: 60000490 Status: Certified / Operation & Maintenance	***70 15TH STREET***	***NNE 1/2 - 1 (0.506 mi.)***	***Y153***	***522***
HARBOR BOAT AND TUG Facility Id: 71002765 Facility Id: 37000031 Status: Inactive - Needs Evaluation Status: Refer: 1248 Local Agency	***2145 BELT ST***	***ESE 1/2 - 1 (0.515 mi.)***	***AD154***	***528***
CAMPBELL INDUSTRIES Facility Id: 37090001 Status: Refer: Other Agency	***501 EAST HARBOUR DRI***	***NNW 1/2 - 1 (0.540 mi.)***	***AC155***	***540***
HARD ROCK HOTEL Facility Id: 37700001 Status: Refer: 1248 Local Agency	208-228 6TH AVENUE A	NNW 1/2 - 1 (0.541 mi.)	156	542
SDG&E/STATION A BLOC Facility Id: 37490035 Status: Refer: 1248 Local Agency	***250 10TH AV***	***N 1/2 - 1 (0.544 mi.)***	***157***	***543***
PACIFIC TREATMENT CO Facility Id: 80001718 Status: Inactive - Needs Evaluation	***2146 MAIN ST***	***ESE 1/2 - 1 (0.579 mi.)***	***AE158***	***545***
MASTER PLATING Facility Id: 71003723 Status: Inactive - Needs Evaluation	***2109 NEWTON AVE***	***E 1/2 - 1 (0.582 mi.)***	***AE159***	***551***
CLEANING DYNAMICS Facility Id: 37420008 Status: Refer: RCRA	***2190 MAIN***	***ESE 1/2 - 1 (0.606 mi.)***	***AE160***	***559***
CROWN BAY Facility Id: 37150007 Status: Refer: 1248 Local Agency	4TH & K	NNW 1/2 - 1 (0.644 mi.)	162	580
DIAMOND TERRACE Facility Id: 37000058 Status: Refer: 1248 Local Agency	427 9TH AVE.	N 1/2 - 1 (0.663 mi.)	AF163	581
CONTINENTAL CLEANERS Facility Id: 37720028 Status: Refer: 1248 Local Agency	***450 10TH AV***	***N 1/2 - 1 (0.670 mi.)***	***AF164***	***582***
CHEVRON HARBOR TERMI Facility Id: 37290007 Status: Refer: 1248 Local Agency	***2295 BELT STREET***	***ESE 1/2 - 1 (0.672 mi.)***	***165***	***588***
FISCHER PARCEL Facility Id: 37000059 Status: Refer: 1248 Local Agency	***304 J STREET***	***NNW 1/2 - 1 (0.735 mi.)***	***166***	***590***
PACIFIC AIRMOTIVE Facility Id: 37370118 Status: Refer: Other Agency	544 7TH AVENUE	NNW 1/2 - 1 (0.761 mi.)	167	593
SDUSD - MAINTENANCE Facility Id: 60000197 Status: Refer: RWQCB	***1826 IRVING AV***	***ENE 1/2 - 1 (0.771 mi.)***	***168***	***594***
ISLAND AVE. AUTO SHO	1434-90 ISLAND AVENU	NNE 1/2 - 1 (0.780 mi.)	169	604

Facility Id: 37750008 Status: Refer: 1248 Local Agency				
BARRIO STATION INC Facility Id: 37330006 Status: Refer: Other Agency	***2320 NEWTON AV***	***ESE 1/2 - 1 (0.808 mi.)***	***170***	***605***
BURBANK ELEMENTARY E Facility Id: 37880002 Status: Certified	***2146 JULIAN AVENUE***	***E 1/2 - 1 (0.811 mi.)***	***171***	***607***
INTRACORP/SLATER SIT Facility Id: 37000015 Status: Refer: 1248 Local Agency	656-668 NINTH AVENUE	N 1/2 - 1 (0.836 mi.)	172	611
YELLOW CAB OF SAN DI Facility Id: 37470002 Status: Refer: 1248 Local Agency	639 13 STREET	N 1/2 - 1 (0.839 mi.)	173	612
CORONADO CENTER DRY Facility Id: 37720027 Status: Refer: 1248 Local Agency	110 'B' AVENUE	W 1/2 - 1 (0.847 mi.)	174	613
FOSTER WEST Facility Id: 37000063 Status: Refer: 1248 Local Agency	***1122 G ST***	***N 1/2 - 1 (0.863 mi.)***	***175***	***614***
MIDAS MUFFLER(FORMER Facility Id: 37750011 Status: Refer: 1248 Local Agency	668 SIXTH AVENUE	NNW 1/2 - 1 (0.864 mi.)	AG176	617
NORTH BLOCK LOFTS Facility Id: 37000036 Status: Refer: 1248 Local Agency	735 6TH AVE.	NNW 1/2 - 1 (0.908 mi.)	AG177	618
SAN DIEGO SHIP BUILD Facility Id: 37370125 Status: Refer: Other Agency	***980 F STREET***	***N 1/2 - 1 (0.936 mi.)***	***180***	***630***
PACIFIC SOAP CO. Facility Id: 37280012 Status: Refer: Other Agency	301 WEST MARKET	NW 1/2 - 1 (0.973 mi.)	182	632
GIFFORD'S BARRELS Facility Id: 37500033 Status: Refer: Other Agency	2606 COMMERCIAL STRE	ENE 1/2 - 1 (0.995 mi.)	184	650

State and tribal leaking storage tank lists

CA SAN DIEGO CO. SAM: The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

A review of the CA SAN DIEGO CO. SAM list, as provided by EDR, and dated 03/23/2010 has revealed that there are 48 CA SAN DIEGO CO. SAM sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FREIGHT HANDLERS INC Case Number: H25935-002	***1790 WATER ST***	***ESE 0 - 1/8 (0.009 mi.)***	***C37***	***67***

Case Number: H25935-001 Facility Status: Closed Case				
TUNA CLIPPER Case Number: H05633-001 Case Number: H05633-002 Facility Status: Closed Case	***1444 CROSBY***	***ESE 0 - 1/8 (0.048 mi.)***	***C46***	***92***
G & S ENGINEERING Case Number: H39643-001 Facility Status: Preliminary Assessment	***1200 HARBOR DR***	***N 1/8 - 1/4 (0.201 mi.)***	***50***	***111***
RALSTON PURINA/VAN C Case Number: H04622-001 Facility Status: Closed Case	***1025 E HARBOR DR***	***N 1/8 - 1/4 (0.218 mi.)***	***F52***	***115***
YOUNGS MARKET CO Case Number: H15795-001 Facility Status: Closed Case	***1709 MAIN ST***	***ENE 1/4 - 1/2 (0.256 mi.)***	***G60***	***137***
SD PORT DISTRICT MAI Case Number: H11530-002 Facility Status: Closed Case	***825 E HARBOR DR***	***NNW 1/4 - 1/2 (0.326 mi.)***	***H68***	***154***
SAN DIEGO TROLLEY, I Case Number: H16505-001 Case Number: H16505-002 Case Number: H16505-003 Facility Status: Preliminary Assessment Facility Status: Closed Case	***1535 NEWTON AV***	***NNE 1/4 - 1/2 (0.330 mi.)***	***69***	***157***
FRASER'S BOILER SERV Case Number: H16508-001 Facility Status: Closed Case	***1746 NEWTON AV***	***ENE 1/4 - 1/2 (0.353 mi.)***	***74***	***184***
NATIONAL PUMP INJECT Case Number: H11046-002 Facility Status: Preliminary Assessment	***1901 MAIN STREET***	***E 1/4 - 1/2 (0.354 mi.)***	***K75***	***190***
FORMER NATIONAL PUMP Case Number: H11046-001 Facility Status: Closed Case	1901 MAIN ST	E 1/4 - 1/2 (0.354 mi.)	K76	195
ACTION CLEANING Case Number: H16506-001 Facility Status: Closed Case	***1604 NEWTON***	***NE 1/4 - 1/2 (0.357 mi.)***	***J77***	***195***
MERCADO COMMERCIAL C Case Number: H36157-001 Facility Status: Closed Case	***1920 MAIN ST***	***E 1/4 - 1/2 (0.382 mi.)***	***K80***	***200***
CITY OF SAN DIEGO Case Number: H25938-001 Facility Status: Remedial Action (Clean-Up)	***800 HARBOR DR***	***NNW 1/4 - 1/2 (0.386 mi.)***	***L81***	***201***
CENTRAL MEAT AND PRO Case Number: H21206-001 Facility Status: Closed Case	***1603 NATIONAL AVENUE***	***NE 1/4 - 1/2 (0.390 mi.)***	***J83***	***203***
LOGAN HEIGHTS FAMILY Case Number: H14412-001 Facility Status: Closed Case	***1809 NATIONAL AV***	***ENE 1/4 - 1/2 (0.395 mi.)***	***84***	***206***
SDGE/STATION	***45 09TH AV***	***NNW 1/4 - 1/2 (0.396 mi.)***	***L85***	***213***

Case Number: H32310-001
Case Number: H32310-002
Case Number: H32310-003
Case Number: H32310-004
Case Number: H32310-005
**Additional key fields are available in the Map Findings section*
Facility Status: Leak Being Confirmed
Facility Status: Remedial Investigation
Facility Status: Closed Case

PEPPER INDUSTRIES IN	***1501 NATIONAL AVE***	***NNE 1/4 - 1/2 (0.398 mi.)***	***M86***	***219***
Case Number: H14546-001				
Facility Status: Closed Case				
FORMER GRAYBILL TERM	***1531 NATIONAL AVENUE***	***NNE 1/4 - 1/2 (0.403 mi.)***	***O89***	***222***
Case Number: H05324-001				
Case Number: H05324-003				
Case Number: H05324-002				
Facility Status: Closed Case				
METROPOLITAN TRANSIT	***1255 IMPERIAL AV***	***N 1/4 - 1/2 (0.404 mi.)***	***P92***	***230***
Case Number: H26572-001				
Facility Status: Closed Case				
SUPER WELDING OF SO.	***1702 NATIONAL AV***	***NE 1/4 - 1/2 (0.412 mi.)***	***Q94***	***239***
Case Number: H16472-001				
Facility Status: Closed Case				
A.O. REED	***1990 MAIN***	***E 1/4 - 1/2 (0.414 mi.)***	***R95***	***239***
Case Number: H00841-001				
Facility Status: Closed Case				
RELIABLE PIPE SUPPLY	***1430 NATIONAL AV***	***NNE 1/4 - 1/2 (0.420 mi.)***	***M99***	***249***
Case Number: H05613-001				
Facility Status: Closed Case				
CATELLUS DEVELOPMENT	***702 HARBOR DR***	***NNW 1/4 - 1/2 (0.421 mi.)***	***100***	***254***
Case Number: H32809-001				
Facility Status: Closed Case				
MTDB LEASEHOLD	***93 08TH AV***	***NNW 1/4 - 1/2 (0.422 mi.)***	***L101***	***256***
Case Number: H39423-001				
Facility Status: Closed Case				
CENTER CITY TOWING	***1668 NATIONAL AV***	***NE 1/4 - 1/2 (0.422 mi.)***	***S102***	***257***
Case Number: H01553-002				
Case Number: H01553-001				
Facility Status: Closed Case				
CITY OF SAN DIEGO	***800 IMPERIAL AV***	***N 1/4 - 1/2 (0.424 mi.)***	***N105***	***268***
Case Number: H25929-001				
Case Number: H25929-002				
Facility Status: Closed Case				
PLANT PRODUCTS & SUP	***822 IMPERIAL AV***	***N 1/4 - 1/2 (0.424 mi.)***	***T107***	***271***
Case Number: H15921-001				
Case Number: H15921-002				
Facility Status: Closed Case				
KELCO	***2025 HARBOR DR***	***ESE 1/4 - 1/2 (0.424 mi.)***	***U110***	***281***
Case Number: H38979-001				
Case Number: H38979-002				
Case Number: H38979-003				

Facility Status: Closed Case				
TROPIC ICE CREAM	***1776 NATIONAL***	***ENE 1/4 - 1/2 (0.427 mi.)***	***V113***	***387***
Case Number: H03524-001				
Facility Status: Closed Case				
TRIANGLE PROPERTY	***65 13TH ST***	***NNE 1/4 - 1/2 (0.433 mi.)***	***P116***	***397***
Case Number: H39657-001				
Facility Status: Preliminary Assessment				
SDG & E PROPERTY	***0 IMPERIAL AV***	***N 1/4 - 1/2 (0.435 mi.)***	***P118***	***399***
Case Number: H39679-001				
Facility Status: Preliminary Assessment				
YE OLDE TOWN PUMP	***1792 NATIONAL AV***	***ENE 1/4 - 1/2 (0.441 mi.)***	***V123***	***404***
Case Number: H03488-001				
Facility Status: Closed Case				
LOOMIS ARMORED INC	***2001 MAIN ST***	***E 1/4 - 1/2 (0.446 mi.)***	***124***	***408***
Case Number: H21282-001				
Facility Status: Closed Case				
PENSKE TRUCK LEASING	***1402 COMMERCIAL ST***	***NNE 1/4 - 1/2 (0.447 mi.)***	***M126***	***416***
Case Number: H12141-001				
Case Number: H12141-002				
Case Number: H12141-003				
Facility Status: Closed Case				
URBAN CORPS OF SAN D	***1864 NATIONAL AV***	***ENE 1/4 - 1/2 (0.460 mi.)***	***X128***	***422***
Case Number: H05615-001				
Facility Status: Closed Case				
SAINT VINCENT DE PAU	***1501 IMPERIAL AV***	***NNE 1/4 - 1/2 (0.466 mi.)***	***Y129***	***424***
Case Number: H24762-001				
Case Number: H24762-002				
Facility Status: Preliminary Assessment				
Facility Status: Closed Case				
INTERSTATE BRANDS CO	***1401 IMPERIAL***	***NNE 1/4 - 1/2 (0.469 mi.)***	***Z131***	***429***
Case Number: H04087-001				
Case Number: H04087-002				
Facility Status: Closed Case				
HUGHES ATTORNEY SERV	1643 LOGAN AV	NE 1/4 - 1/2 (0.470 mi.)	S133	432
Case Number: H21201-001				
Facility Status: Closed Case				
ST. VINCENT DE PAUL	***16 15TH ST***	***NNE 1/4 - 1/2 (0.471 mi.)***	***Y136***	***435***
Case Number: H03652-001				
Case Number: H03652-002				
Case Number: H03652-003				
Facility Status: Closed Case				
SAN DIEGO GAS & ELEC	14TH ST & IMPERIAL	NNE 1/4 - 1/2 (0.473 mi.)	Z138	440
Case Number: H38963-001				
Facility Status: Leak Being Confirmed				
SAN DIEGO SAW AND KN	***1765 LOGAN AVE***	***ENE 1/4 - 1/2 (0.478 mi.)***	***V140***	***442***
Case Number: H00515-001				
Case Number: H00515-002				
Facility Status: Closed Case				
LUIS AUTO SERVICES	***1603 LOGAN AV***	***NE 1/4 - 1/2 (0.481 mi.)***	***AB142***	***451***
Case Number: H13758-001				

Facility Status: Closed Case

SAN DIEGO UNIFIED PO	***501 HARBOR DR***	***NNW 1/4 - 1/2 (0.492 mi.)***	***AC143***	***452***
Case Number: H23165-001				
Facility Status: Closed Case				
CONTINENTAL OF SAN D	***1995 BAY FRONT***	***ESE 1/4 - 1/2 (0.493 mi.)***	***AD144***	***459***
CONTINENTAL MARITIME	***1995 BAYFRONT ST***	***ESE 1/4 - 1/2 (0.493 mi.)***	***AD147***	***497***
Case Number: H00120-001				
Case Number: H00120-002				
Case Number: H00120-003				
Facility Status: Closed Case				
JOHNSON TRUCK REPAIR	***1931 NEWTON AV***	***E 1/4 - 1/2 (0.493 mi.)***	***149***	***518***
Case Number: H04173-001				
Facility Status: Preliminary Assessment				
SDCTY-FIRE STATION #	***944 CROSBY ST***	***ENE 1/4 - 1/2 (0.496 mi.)***	***X151***	***520***
Case Number: H21195-001				
Facility Status: Closed Case				

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
SAN DIEGO UNIFIED PO	***1875 WATER ST***	***ESE 0 - 1/8 (0.044 mi.)***	***C42***	***81***
Case Number: H24706-001				
Case Number: H24706-002				
Facility Status: Preliminary Assessment				
Facility Status: Closed Case				

CA LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA LUST list, as provided by EDR, has revealed that there are 42 CA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
SANTA FE RAILWAY	***1342 CROSBY ST***	***ESE 0 - 1/8 (0.048 mi.)***	***C43***	***85***
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Status: Remedial action (cleanup) Underway				
Case Number: 9UT2495				
FIRE RESCUE- FIRE ST	***944 CROSBY ST***	***ESE 0 - 1/8 (0.048 mi.)***	***C44***	***87***
Database: LUST, Date of Government Version: 09/12/2016				
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Status: Completed - Case Closed				
Status: Preliminary site assessment underway				
Global Id: T0607300690				
Case Number: 9UT1910				
TUNA CLIPPER	***1444 CROSBY ST***	***ESE 0 - 1/8 (0.048 mi.)***	***C45***	***92***
TUNA CLIPPER	***1444 CROSBY***	***ESE 0 - 1/8 (0.048 mi.)***	***C46***	***92***
Database: LUST, Date of Government Version: 09/12/2016				
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Status: Completed - Case Closed				
Closed Date: 3/3/97				
Status: Case Closed				

Global Id: T0607301052
Case Number: 9UT2286

SANTA FE INTERMODAL ***1342 CROSBY ST*** ***ESE 0 - 1/8 (0.048 mi.)*** ***C47*** ***95***
Database: LUST, Date of Government Version: 09/12/2016
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Completed - Case Closed
Status: Remedial action (cleanup) Underway
Global Id: T0607301247
Global Id: T0607300700
Case Number: 9UT1920

G & S ENGINEERING ***1200 HARBOR DR*** ***N 1/8 - 1/4 (0.201 mi.)*** ***50*** ***111***
Database: LUST, Date of Government Version: 09/12/2016
Status: Completed - Case Closed
Global Id: T06019762982

RALSTON PURINA COMPA 1025 HARBOR DR E N 1/8 - 1/4 (0.231 mi.) F54 117
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 8/10/87
Status: Case Closed
Case Number: 9UT408

CHEVRON USA INC EMBA ***1820 N HARBOR DR*** ***E 1/8 - 1/4 (0.241 mi.)*** ***57*** ***130***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 9/11/95
Status: Case Closed
Case Number: 9UT2073

YOUNGS MARKET CO ***1709 MAIN ST*** ***ENE 1/4 - 1/2 (0.256 mi.)*** ***G60*** ***137***
Database: LUST, Date of Government Version: 09/12/2016
Status: Completed - Case Closed
Global Id: T0607301065

YOUNG'S MARKET COMPA 1709 MAIN ST S ENE 1/4 - 1/2 (0.256 mi.) G61 140
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 12/7/92
Status: Case Closed
Case Number: 9UT2298

RESTAURANT DEPOT 1335 CESAR E CHAVEZ ESE 1/4 - 1/2 (0.293 mi.) 64 146
Database: LUST, Date of Government Version: 09/12/2016
Status: Completed - Case Closed
Global Id: T10000002783

PORT OF SAN DIEGO DI ***825 E HARBOR DR*** ***NNW 1/4 - 1/2 (0.326 mi.)*** ***H66*** ***148***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 2/20/97
Status: Case Closed
Case Number: 9UT3102

SAN DIEGO UNIFIED PO ***825 E HARBOR DR*** ***NNW 1/4 - 1/2 (0.326 mi.)*** ***H67*** ***151***
Database: LUST, Date of Government Version: 09/12/2016
Status: Completed - Case Closed
Global Id: T0607301868

ACTION CLEANING ***1604 NEWTON*** ***NE 1/4 - 1/2 (0.357 mi.)*** ***J77*** ***195***
Database: LUST, Date of Government Version: 09/12/2016
Status: Completed - Case Closed
Global Id: T0607302637

ACTION CLEANING 1604 NEWTON AVE NE 1/4 - 1/2 (0.357 mi.) J78 199
Database: LUST REG 9, Date of Government Version: 03/01/2001

Status: Preliminary site assessment workplan submitted
Case Number: 9UT3877

CENTRAL MEAT AND PRO ***1603 NATIONAL AVENUE*** ***NE 1/4 - 1/2 (0.390 mi.)*** ***J83*** ***203***
Database: LUST, Date of Government Version: 09/12/2016
Status: Completed - Case Closed
Global Id: T0607399070

SDGE/STATION ***45 09TH AV*** ***NNW 1/4 - 1/2 (0.396 mi.)*** ***L85*** ***213***
Database: LUST, Date of Government Version: 09/12/2016
Status: Completed - Case Closed
Global Id: T0607301446

GRAYBILL TERMINALS 1531 NATIONAL AVE NNE 1/4 - 1/2 (0.403 mi.) O91 229

A.O. REED ***1990 MAIN*** ***E 1/4 - 1/2 (0.414 mi.)*** ***R95*** ***239***
Database: LUST, Date of Government Version: 09/12/2016
Status: Completed - Case Closed
Global Id: T0607300114

A.O. REED 1990 MAIN ST E 1/4 - 1/2 (0.414 mi.) R96 242
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 1/1/89
Status: Case Closed
Case Number: 9UT1106

SOUTHWEST MARINE INC ***FOOT OF SAMPSON ST*** ***ESE 1/4 - 1/2 (0.419 mi.)*** ***98*** ***244***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 7/13/98
Status: Case Closed
Case Number: 9UT3470

EVRDA LOP (535-562-0 822 IMPERIAL AVE N 1/4 - 1/2 (0.424 mi.) T106 270
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Remediation Plan
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3958
Case Number: 9UT4047

PLANT PRODUCTS & SUP ***822 IMPERIAL AV*** ***N 1/4 - 1/2 (0.424 mi.)*** ***T107*** ***271***
Database: LUST, Date of Government Version: 09/12/2016
Status: Completed - Case Closed
Global Id: T0607399047
Global Id: T0607399240

TROPIC ICE CREAM ***1776 NATIONAL*** ***ENE 1/4 - 1/2 (0.427 mi.)*** ***V113*** ***387***
Database: LUST, Date of Government Version: 09/12/2016
Status: Completed - Case Closed
Global Id: T0607300611

TROPIC ICE CREAM CO ***1776 NATIONAL AVE*** ***ENE 1/4 - 1/2 (0.427 mi.)*** ***V114*** ***392***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 6/18/96
Status: Case Closed
Case Number: 9UT1822

BETTENCOURT AUTO BOD ***1865 NATIONAL AVE*** ***ENE 1/4 - 1/2 (0.439 mi.)*** ***W121*** ***401***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 2/12/88
Status: Case Closed
Case Number: 9UT851

ROGELIO GARAGES ***1792 NATIONAL AVE*** ***ENE 1/4 - 1/2 (0.441 mi.)*** ***V122*** ***402***
Database: LUST REG 9, Date of Government Version: 03/01/2001

Closed Date: 9/12/89
Status: Case Closed
Case Number: 9UT554

YE OLDE TOWN PUMP ***1792 NATIONAL AV*** ***ENE 1/4 - 1/2 (0.441 mi.)*** ***V123*** ***404***
Database: LUST, Date of Government Version: 09/12/2016
Status: Completed - Case Closed
Global Id: T0607302843

LOOMIS ARMORED INC ***2001 MAIN ST*** ***E 1/4 - 1/2 (0.446 mi.)*** ***124*** ***408***
Database: LUST, Date of Government Version: 09/12/2016
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Completed - Case Closed
Closed Date: 6/16/94
Status: Case Closed
Global Id: T0607303107
Case Number: 9UT862

HERTZ - PENSKE TRUCK ***1402 COMMERCIAL*** ***NNE 1/4 - 1/2 (0.447 mi.)*** ***M125*** ***412***
Database: LUST, Date of Government Version: 09/12/2016
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Completed - Case Closed
Status: Preliminary site assessment underway
Global Id: T0607301054
Case Number: 9UT2288

CONTINENTAL BAKING C ***1401 IMPERIAL AVE*** ***NNE 1/4 - 1/2 (0.469 mi.)*** ***Z130*** ***428***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 12/23/97
Status: Case Closed
Case Number: 9UT3366

INTERSTATE BRANDS CO ***1401 IMPERIAL*** ***NNE 1/4 - 1/2 (0.469 mi.)*** ***Z131*** ***429***
Database: LUST, Date of Government Version: 09/12/2016
Status: Completed - Case Closed
Global Id: T0607302128

HUGHES ATTORNEY SERV ***1643 LOGAN*** ***NE 1/4 - 1/2 (0.470 mi.)*** ***S134*** ***432***
Database: LUST, Date of Government Version: 09/12/2016
Status: Completed - Case Closed
Global Id: T0607302174

HUGHES ATTORNEY SERV 1643 LOGAN AVE NE 1/4 - 1/2 (0.470 mi.) S135 434
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 6/20/97
Status: Case Closed
Case Number: 9UT3411

ST. VINCENT DE PAUL ***16 15TH ST*** ***NNE 1/4 - 1/2 (0.471 mi.)*** ***Y137*** ***436***
Database: LUST, Date of Government Version: 09/12/2016
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Completed - Case Closed
Closed Date: 3/19/93
Status: Case Closed
Global Id: T0607301032
Case Number: 9UT2265

SQUIRES BELT MATERIA ***149 12TH AVE*** ***N 1/4 - 1/2 (0.473 mi.)*** ***AA139*** ***440***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 1/6/89
Status: Case Closed

Case Number: 9UT522

SAN DIEGO SAW AND KN ***1765 LOGAN AVE*** ***ENE 1/4 - 1/2 (0.478 mi.)*** ***V140*** ***442***
Database: LUST, Date of Government Version: 09/12/2016
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Completed - Case Closed
Closed Date: 4/14/00
Status: Case Closed
Global Id: T0607302583
Case Number: 9UT3820

SAN DIEGO UNIFIED PO ***501 HARBOR DR*** ***NNW 1/4 - 1/2 (0.492 mi.)*** ***AC143*** ***452***
Database: LUST, Date of Government Version: 09/12/2016
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Completed - Case Closed
Closed Date: 11/2/93
Status: Case Closed
Global Id: T0607300499
Global Id: T0607391327
Case Number: 9UT1701

CONTINENTAL OF SAN D ***1995 BAY FRONT*** ***ESE 1/4 - 1/2 (0.493 mi.)*** ***AD144*** ***459***
CONTINENTAL MARITIME ***1995 BAYFRONT ST*** ***ESE 1/4 - 1/2 (0.493 mi.)*** ***AD147*** ***497***
Database: LUST, Date of Government Version: 09/12/2016
Status: Completed - Case Closed
Global Id: T0607301763
Global Id: T0607301225
Global Id: T0607300219

SDG&E STATION A - BL ***175 11TH ST/1100 L*** ***N 1/4 - 1/2 (0.493 mi.)*** ***AA150*** ***519***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 12/31/98
Status: Case Closed
Case Number: 9UT3166

Lower Elevation	Address	Direction / Distance	Map ID	Page

SAN DIEGO UNIFIED PO ***1875 WATER ST*** ***ESE 0 - 1/8 (0.044 mi.)*** ***C42*** ***81***
Database: LUST, Date of Government Version: 09/12/2016
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Completed - Case Closed
Closed Date: 12/5/96
Status: Case Closed
Global Id: T0607303164
Case Number: 9UT921

CA SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA SLIC list, as provided by EDR, has revealed that there are 52 CA SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page

FREIGHT HANDLERS INC ***1790 WATER ST*** ***ESE 0 - 1/8 (0.009 mi.)*** ***C37*** ***67***
Database: SLIC, Date of Government Version: 09/12/2016

Facility Status: Completed - Case Closed
Global Id: T0608125302
Global Id: T0608195545

FIRE RESCUE- FIRE ST	***944 CROSBY ST***	***ESE 0 - 1/8 (0.048 mi.)***	***C44***	***87***

Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608146218

TUNA CLIPPER	***1444 CROSBY***	***ESE 0 - 1/8 (0.048 mi.)***	***C46***	***92***

Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608178516

SANTA FE INTERMODAL	***1342 CROSBY ST***	***ESE 0 - 1/8 (0.048 mi.)***	***C47***	***95***

Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608114213

PACIFIC MARITIME FRE	1444 CESAR E. CHAVEZ	ESE 1/8 - 1/4 (0.217 mi.)	E51	115

Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Open - Inactive
Global Id: T10000008858

RALSTON PURINA/VAN C	***1025 E HARBOR DR***	***N 1/8 - 1/4 (0.218 mi.)***	***F53***	***116***

Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0607302723

THE JANKOVICH COMPAN	***961 E HARBOR DR***	***NNW 1/8 - 1/4 (0.232 mi.)***	***F55***	***118***

Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T10000002478

CAMPBELL INDUSTRIES	8TH AVE & HARBOR DR	NNW 1/4 - 1/2 (0.323 mi.)	H65	148

Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608151868

SAN DIEGO TROLLEY, I	***1535 NEWTON AV***	***NNE 1/4 - 1/2 (0.330 mi.)***	***69***	***157***

Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608120514
Global Id: T0608192456
Global Id: T0608195831

MTS - OLD TOWN LIGHT	NONE BENEATH GRAPE A	NNW 1/4 - 1/2 (0.342 mi.)	H71	173

Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608197618

MINI TRUCK	***1700 NEWTON AV***	***NE 1/4 - 1/2 (0.345 mi.)***	***I72***	***173***

Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Open - Site Assessment
Global Id: T10000007747

FRASER'S BOILER SERV	***1746 NEWTON AV***	***ENE 1/4 - 1/2 (0.353 mi.)***	***74***	***184***

Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608138959

NATIONAL PUMP INJECT	***1901 MAIN STREET***	***E 1/4 - 1/2 (0.354 mi.)***	***K75***	***190***

Database: SLIC, Date of Government Version: 09/12/2016

Facility Status: Completed - Case Closed
Facility Status: Open - Site Assessment
Global Id: T0608189862
Global Id: T10000001604

MERCADO COMMERCIAL C ***1920 MAIN ST*** ***E 1/4 - 1/2 (0.382 mi.)*** ***K80*** ***200***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608182788

CITY OF SAN DIEGO ***800 HARBOR DR*** ***NNW 1/4 - 1/2 (0.386 mi.)*** ***L81*** ***201***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608119024

LOGAN HEIGHTS FAMILY ***1809 NATIONAL AV*** ***ENE 1/4 - 1/2 (0.395 mi.)*** ***84*** ***206***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608106734

SDGE/STATION ***45 09TH AV*** ***NNW 1/4 - 1/2 (0.396 mi.)*** ***L85*** ***213***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Facility Status: Open - Remediation
Facility Status: Open - Site Assessment
Global Id: T0608177280
Global Id: T0608189370
Global Id: T0608179307
Global Id: T0608181695
Global Id: T0608115157

PEPPER INDUSTRIES IN ***1501 NATIONAL AVE*** ***NNE 1/4 - 1/2 (0.398 mi.)*** ***M86*** ***219***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608104175

FORMER GRAYBILL TERM ***1531 NATIONAL AVENUE*** ***NNE 1/4 - 1/2 (0.403 mi.)*** ***O89*** ***222***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0607300795
Global Id: SLT19759516

GRAYBILL TERMINALS C 1531 NATIONAL AVENUE NNE 1/4 - 1/2 (0.403 mi.) O90 229
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: SL372914239

SUPER WELDING OF SO. ***1702 NATIONAL AV*** ***NE 1/4 - 1/2 (0.412 mi.)*** ***Q94*** ***239***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T06019741983

BARRIOHAUS 1600 NATIONAL AVENUE NNE 1/4 - 1/2 (0.415 mi.) O97 242
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T10000006463

RELIABLE PIPE SUPPLY ***1430 NATIONAL AV*** ***NNE 1/4 - 1/2 (0.420 mi.)*** ***M99*** ***249***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608152064

CATELLUS DEVELOPMENT ***702 HARBOR DR*** ***NNW 1/4 - 1/2 (0.421 mi.)*** ***100*** ***254***
Database: SLIC, Date of Government Version: 09/12/2016

Facility Status: Completed - Case Closed
Global Id: T0608120641

MTDB LEASEHOLD ***93 08TH AV*** ***NNW 1/4 - 1/2 (0.422 mi.)*** ***L101*** ***256***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608105248

CENTER CITY TOWING ***1668 NATIONAL AV*** ***NE 1/4 - 1/2 (0.422 mi.)*** ***S102*** ***257***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: SLT19739268

CITY OF SAN DIEGO ***800 IMPERIAL AV*** ***N 1/4 - 1/2 (0.424 mi.)*** ***N105*** ***268***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608150421
Global Id: T0608169734

R.E. STAITE / CP KEL 2025 EAST HARBOR DRI ESE 1/4 - 1/2 (0.424 mi.) U108 274
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Open - Inactive
Global Id: T10000008866

CP KELCO ***2025 HARBOR DR*** ***ESE 1/4 - 1/2 (0.424 mi.)*** ***U109*** ***275***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: SLT19724600
Global Id: T0608121886
Global Id: T0608116327

THE FACTORY ROWHOMES 1776 NATIONAL AVENUE ENE 1/4 - 1/2 (0.427 mi.) V112 386
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Open - Site Assessment
Global Id: T10000008826

MERCADO DEL BARRIO CESAR CHAVEZ PARKWAY E 1/4 - 1/2 (0.429 mi.) 115 394
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T10000002609

TRIANGLE PROPERTY ***65 13TH ST*** ***NNE 1/4 - 1/2 (0.433 mi.)*** ***P116*** ***397***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Open - Site Assessment
Global Id: T06019703949

MTS TOWER PARKING GA 12TH & IMPERIAL AVE. N 1/4 - 1/2 (0.434 mi.) P117 398
Database: SLIC REG 9, Date of Government Version: 09/10/2007
Status: Open
Status: Dead
Status: Closed

SDG & E PROPERTY ***0 IMPERIAL AV*** ***N 1/4 - 1/2 (0.435 mi.)*** ***P118*** ***399***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Open - Site Assessment
Global Id: T06019791303

CROSBY ST CORRIDOR NONE CROSBY ST ENE 1/4 - 1/2 (0.438 mi.) W119 400
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608151971

SEE CASE H39637-002 NONE NATIONAL AVENUE ENE 1/4 - 1/2 (0.438 mi.) W120 400
Database: SLIC, Date of Government Version: 09/12/2016

Facility Status: Completed - Case Closed
Global Id: T0607399805

HERTZ - PENSKE TRUCK ***1402 COMMERCIAL*** ***NNE 1/4 - 1/2 (0.447 mi.)*** ***M125*** ***412***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T10000000970
Global Id: T10000000302

IMPERIAL AV 8TH> >9T NONE IMPERIAL/BTWN8T NNW 1/4 - 1/2 (0.449 mi.) 127 422
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608109476

URBAN CORPS OF SAN D ***1864 NATIONAL AV*** ***ENE 1/4 - 1/2 (0.460 mi.)*** ***X128*** ***422***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0607303098

SAINT VINCENT DE PAU ***1501 IMPERIAL AV*** ***NNE 1/4 - 1/2 (0.466 mi.)*** ***Y129*** ***424***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T10000000797

INTERSTATE BRANDS CO ***1401 IMPERIAL*** ***NNE 1/4 - 1/2 (0.469 mi.)*** ***Z131*** ***429***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608152798

SAN DIEGO GAS & ELEC NONE 14TH ST & IMPER NNE 1/4 - 1/2 (0.470 mi.) Z132 432
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608102760

ST. VINCENT DE PAUL ***16 15TH ST*** ***NNE 1/4 - 1/2 (0.471 mi.)*** ***Y137*** ***436***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608154919
Global Id: T0608195870

SAN DIEGO SAW AND KN ***1765 LOGAN AVE*** ***ENE 1/4 - 1/2 (0.478 mi.)*** ***V140*** ***442***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T06019767802

LUIS AUTO SERVICES ***1603 LOGAN AV*** ***NE 1/4 - 1/2 (0.481 mi.)*** ***AB142*** ***451***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T06019701706

CONTINENTAL MARITIME ***1995 BAY FRONT STREE*** ***ESE 1/4 - 1/2 (0.493 mi.)*** ***AD145*** ***474***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Completed - Case Closed
Global Id: T0608190985

CONTINENTAL MARITIME 1995 BAY FRONT STREE ESE 1/4 - 1/2 (0.493 mi.) AD146 497
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Open - Inactive
Global Id: T10000004954

CONTINENTAL MARITIME ***1995 BAY FRONT ST*** ***ESE 1/4 - 1/2 (0.493 mi.)*** ***AD148*** ***512***
Database: SLIC, Date of Government Version: 09/12/2016
Facility Status: Open - Site Assessment

Global Id: T0608163896

JOHNSON TRUCK REPAIR	***1931 NEWTON AV***	***E 1/4 - 1/2 (0.493 mi.)***	***149***	***518***
Database: SLIC, Date of Government Version: 09/12/2016 Facility Status: Completed - Case Closed Global Id: T0608164552				
SAINT VINCENT DE PAU	15TH & 16TH STREETS	NNE 1/4 - 1/2 (0.498 mi.)	AB152	521
Database: SLIC REG 9, Date of Government Version: 09/10/2007 Status: Dead				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAN DIEGO UNIFIED PO	***1875 WATER ST***	***ESE 0 - 1/8 (0.044 mi.)***	***C42***	***81***
Database: SLIC, Date of Government Version: 09/12/2016 Facility Status: Open - Site Assessment Global Id: T0608133034				
MOUTH OF SWITZER CRE	0 WATER STREET	NW 1/8 - 1/4 (0.184 mi.)	49	111
Database: SLIC, Date of Government Version: 09/12/2016 Facility Status: Open - Inactive Global Id: T10000008874				

State and tribal registered storage tank lists

CA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the CA UST list, as provided by EDR, has revealed that there is 1 CA UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
10TH AVENUE MARINE T	920 GULL ST	NNW 1/8 - 1/4 (0.163 mi.)	48	111
Database: UST, Date of Government Version: 09/12/2016 Facility Id: H02810				

CA AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the CA AST list, as provided by EDR, and dated 07/06/2016 has revealed that there are 4 CA AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CEMEX CONSTRUCTION M	***1155 TERMINAL***	***SSW 0 - 1/8 (0.019 mi.)***	***D38***	***68***
CEMEX SAN DIEGO CEME	1155 TERMINAL AVE	SSW 0 - 1/8 (0.019 mi.)	D39	73
THE JANKOVICH COMPAN	***961 E HARBOR DR***	***NNW 1/8 - 1/4 (0.232 mi.)***	***F55***	***118***
WESPAC PIPELINES-SAN	961 EAST HARBOR DRIV	NNW 1/8 - 1/4 (0.232 mi.)	F56	129

State and tribal voluntary cleanup sites

CA VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the CA VCP list, as provided by EDR, and dated 08/01/2016 has revealed that there is 1 CA VCP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
IMPERIAL AVENUE AFFO Status: Active Facility Id: 60002200	***1435 IMPERIAL AVENUE***	***NNE 1/4 - 1/2 (0.479 mi.)***	***Y141***	***448***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CA San Diego Co. HMMD: The Hazardous Materials Management Division Database comes from the Hazardous Materials Management Division.

A review of the CA San Diego Co. HMMD list, as provided by EDR, and dated 09/23/2013 has revealed that there are 4 CA San Diego Co. HMMD sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HYDRO AGRI BAKER TAN Facility ID: 102601	600 SWITZER ST	0 - 1/8 (0.000 mi.)	A9	24
MARINE TERMINALS COR Facility ID: 116790	602 SWITZER ST	0 - 1/8 (0.000 mi.)	A10	24
STEVEDORING SERVICES Facility ID: 110529	656 SWITZER ST	0 - 1/8 (0.001 mi.)	A31	53
FORMER PACIFIC MOLAS Facility ID: 115697	***1750 WATER ST***	***0 - 1/8 (0.001 mi.)***	***C35***	***56***

Local Lists of Registered Storage Tanks

CA SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 4 CA SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER PACIFIC MOLAS	***1750 WATER ST***	***0 - 1/8 (0.001 mi.)***	***C35***	***56***

Comp Number: 15697

NORTH AMERICAN TERMI	***1090 WATER ST***	***NNW 0 - 1/8 (0.008 mi.)***	***B36***	***58***
Status: A				
Comp Number: 2462				
SANTA FE RAILWAY	***1342 CROSBY ST***	***ESE 0 - 1/8 (0.048 mi.)***	***C43***	***85***
Status: A				
Comp Number: 76				
TUNA CLIPPER	***1444 CROSBY***	***ESE 0 - 1/8 (0.048 mi.)***	***C46***	***92***
Status: A				
Tank Status: A				
Comp Number: 5633				

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 3 CA HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER PACIFIC MOLAS	***1750 WATER ST***	***0 - 1/8 (0.001 mi.)***	***C35***	***56***
TUNA CLIPPER	***1444 CROSBY ST***	***ESE 0 - 1/8 (0.048 mi.)***	***C45***	***92***
RALSTON PURINA/VAN C	***1025 E HARBOR DR***	***N 1/8 - 1/4 (0.218 mi.)***	***F53***	***116***
Facility Id: 00000020333				

Records of Emergency Release Reports

CA CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CA CHMIRS list, as provided by EDR, and dated 06/03/2016 has revealed that there is 1 CA CHMIRS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	623 SWITZER ST, CROS	0 - 1/8 (0.000 mi.)	A19	34
OES Incident Number: 4-4076				

CA LDS: Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA LDS list, as provided by EDR, and dated 09/12/2016 has revealed that there is 1 CA LDS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TENTH AVE MARINE TER	BERTHS 10-1 & 10-2	0 - 1/8 (0.000 mi.)	B29	52
Global Id: L10004918383				
Status: Completed - Case Closed				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/21/2016 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NRC ENVIRONMENTAL SV	***1839 WATER ST***	***SE 0 - 1/8 (0.025 mi.)***	***C40***	***74***

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 07/15/2016 has revealed that there are 7 FINDS sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RESEARCH VESSEL ROBE	***623 SWITZER***	***0 - 1/8 (0.000 mi.)***	***A4***	***15***
RESEARCH VESSEL NEW	***623 SWITZER***	***0 - 1/8 (0.000 mi.)***	***A12***	***27***
RESEARCH VESSEL MELV	***623 SWITZER***	***0 - 1/8 (0.000 mi.)***	***A16***	***33***
SAN DIEGO GAS AND EL	***623 SWITZER STREET***	***0 - 1/8 (0.000 mi.)***	***A17***	***33***
RESEARCH VESSEL SALL	***623 SWITZER***	***0 - 1/8 (0.000 mi.)***	***A23***	***40***
RESEARCH VESSEL ROGE	***623 SWITZER***	***0 - 1/8 (0.000 mi.)***	***A24***	***41***
MEAL COMPANY	1750 WATER STREET	0 - 1/8 (0.001 mi.)	C34	56

CA HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency. This database begins with calendar year 1993.

A review of the CA HAZNET list, as provided by EDR, and dated 12/31/2014 has revealed that there are 14 CA HAZNET sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TROJAN STAR IMO# 822 GEPAID: CAC002593152	623 SWITZER ST BERTH	0 - 1/8 (0.000 mi.)	A3	15
OSIRUS DBA SELRICO S GEPAID: CAC002641850	623 SWITZER ST	0 - 1/8 (0.000 mi.)	A5	16
RESEARCH VESSEL MELV	623 SWITZER ST	0 - 1/8 (0.000 mi.)	A6	18

GEPAID: CAR000247551				
RESEARCH VESSEL ROBE GEPAID: CAR000247510	623 SWITZER ST	0 - 1/8 (0.000 mi.)	A8	23
US COAST GUARD GEPAID: CAL000360096	623 SWITZER ST	0 - 1/8 (0.000 mi.)	A11	25
MARINE TERMINALS COR GEPAID: CAC001246056	614 SWITZER ST	0 - 1/8 (0.000 mi.)	A14	27
SERLICO SERVICES INC GEPAID: CAP000241406 GEPAID: CAC002621433	623 SWITZER ST	0 - 1/8 (0.000 mi.)	A20	35
OSIRUS DBA SELRICO S GEPAID: CAC002632452	623 SWITZER ST	0 - 1/8 (0.000 mi.)	A21	37
SELRICO SERVICES INC GEPAID: CAC002663593	623 SWITZER ST	0 - 1/8 (0.000 mi.)	A22	39
COMMANDER, NAVY REGI GEPAID: CAC002790076	623 SWITZER ST	0 - 1/8 (0.000 mi.)	A25	41
RESEARCH VESSEL NEW GEPAID: CAR000247544	623 SWITZER ST	0 - 1/8 (0.000 mi.)	A28	51
PORT OF SAN DIEGO-10 GEPAID: CAC002775854	623 SWITZER ST	0 - 1/8 (0.000 mi.)	A30	53
KOVROV VESSEL #L8902 GEPAID: CAC001134280	656 SWITZER	0 - 1/8 (0.001 mi.)	A32	54
STEVEDORING SERVICES GEPAID: CAD981695844	656 SWITZER ST	0 - 1/8 (0.001 mi.)	A33	55

CA HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 23 CA HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FIRE RESCUE- FIRE ST Reg Id: 9UT1910	***944 CROSBY ST***	***ESE 0 - 1/8 (0.048 mi.)***	***C44***	***87***
TUNA CLIPPER Reg Id: 9UT2286	***1444 CROSBY***	***ESE 0 - 1/8 (0.048 mi.)***	***C46***	***92***
SANTA FE INTERMODAL Reg Id: 9UT1920 Reg Id: 9UT2495	***1342 CROSBY ST***	***ESE 0 - 1/8 (0.048 mi.)***	***C47***	***95***
CHEVRON USA INC EMBA Reg Id: 9UT2073	***1820 N HARBOR DR***	***E 1/8 - 1/4 (0.241 mi.)***	***57***	***130***
YOUNGS MARKET CO Reg Id: 9UT2298	***1709 MAIN ST***	***ENE 1/4 - 1/2 (0.256 mi.)***	***G60***	***137***
SHELL SERVICE STATIO Reg Id: 9UT468 Reg Id: 9UT3779	***1699 MAIN***	***NE 1/4 - 1/2 (0.265 mi.)***	***62***	***141***
PORT DISTRICT MAINTE	825 HARBOR	NNW 1/4 - 1/2 (0.335 mi.)	H70	172

Reg Id: 9UT3102				
ACTION CLEANING	***1604 NEWTON***	***NE 1/4 - 1/2 (0.357 mi.)***	***J77***	***195***
Reg Id: 9UT3877				
FORMER GRAYBILL TERM	***1531 NATIONAL AVENUE***	***NNE 1/4 - 1/2 (0.403 mi.)***	***O89***	***222***
Reg Id: 9 000048N91				
Reg Id: 9UT202				
A.O. REED	***1990 MAIN***	***E 1/4 - 1/2 (0.414 mi.)***	***R95***	***239***
Reg Id: 9UT1106				
SOUTHWEST MARINE INC	***FOOT OF SAMPSON ST***	***ESE 1/4 - 1/2 (0.419 mi.)***	***98***	***244***
Reg Id: 9UT3470				
TROPIC ICE CREAM	***1776 NATIONAL***	***ENE 1/4 - 1/2 (0.427 mi.)***	***V113***	***387***
Reg Id: 9UT1822				
BETTENCOURT AUTO BOD	***1865 NATIONAL AVE***	***ENE 1/4 - 1/2 (0.439 mi.)***	***W121***	***401***
Reg Id: 9UT851				
YE OLDE TOWN PUMP	***1792 NATIONAL AV***	***ENE 1/4 - 1/2 (0.441 mi.)***	***V123***	***404***
Reg Id: 9UT554				
LOOMIS ARMORED INC	***2001 MAIN ST***	***E 1/4 - 1/2 (0.446 mi.)***	***124***	***408***
Reg Id: 9UT862				
HERTZ - PENSKE TRUCK	***1402 COMMERCIAL***	***NNE 1/4 - 1/2 (0.447 mi.)***	***M125***	***412***
Reg Id: 9UT2288				
INTERSTATE BRANDS CO	***1401 IMPERIAL***	***NNE 1/4 - 1/2 (0.469 mi.)***	***Z131***	***429***
Reg Id: 9UT3366				
HUGHES ATTORNEY SERV	***1643 LOGAN***	***NE 1/4 - 1/2 (0.470 mi.)***	***S134***	***432***
Reg Id: 9UT3411				
ST. VINCENT DE PAUL	***16 15TH ST***	***NNE 1/4 - 1/2 (0.471 mi.)***	***Y137***	***436***
Reg Id: 9UT2265				
SAN DIEGO SAW AND KN	***1765 LOGAN AVE***	***ENE 1/4 - 1/2 (0.478 mi.)***	***V140***	***442***
Reg Id: 9UT3820				
CONTINENTAL MARITIME	***1995 BAY FRONT STREE***	***ESE 1/4 - 1/2 (0.493 mi.)***	***AD145***	***474***
Reg Id: 9UT2467				
Reg Id: 9UT2996				
Reg Id: 9UT138				
SDG&E STATION A - BL	***175 11TH ST/1100 L***	***N 1/4 - 1/2 (0.493 mi.)***	***AA150***	***519***
Reg Id: 9UT3166				

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
SAN DIEGO UNIFIED PO	***1875 WATER ST***	***ESE 0 - 1/8 (0.044 mi.)***	***C42***	***81***
Reg Id: 9UT921				

CA HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the CA HWP list, as provided by EDR, and dated 08/22/2016 has revealed that there are 2 CA HWP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
PACIFIC TREATMENT	***1668 NATIONAL AVENUE***	***NE 1/4 - 1/2 (0.422 mi.)***	***S104***	***260***

EPA Id: CAD098240062
Cleanup Status: CLOSED

PACIFIC TREATMENT CO	***2146 MAIN ST***	***ESE 1/2 - 1 (0.579 mi.)***	***AE158***	***545***

EPA Id: CAD095894556
Cleanup Status: CLOSED

TX Ind. Haz Waste: The Industrial and Hazardous Waste Database contains summary reports by waste handlers, generators and shippers in Texas.

A review of the TX Ind. Haz Waste list, as provided by EDR, and dated 06/06/2016 has revealed that there is 1 TX Ind. Haz Waste site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FOSS ENVIRONMENTAL S	909 E HARBOR DR	NNW 1/8 - 1/4 (0.246 mi.)	F59	135

Registration Number: 85986

CA Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the CA Notify 65 list, as provided by EDR, and dated 09/10/2015 has revealed that there are 8 CA Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	1640 NEWTON AVE	NE 1/4 - 1/2 (0.351 mi.)	J73	184
Not reported	1025 SIGSBEE ST.	NE 1/4 - 1/2 (0.371 mi.)	I79	200
Not reported	1702 NATIONAL AVE	NE 1/4 - 1/2 (0.412 mi.)	Q93	238
SOUTHWEST MARINE INC	***FOOT OF SAMPSON ST***	***ESE 1/4 - 1/2 (0.419 mi.)***	***98***	***244***
ABC CONSTRUCTION CO	***2665 NATIONAL AVE***	***E 1/2 - 1 (0.926 mi.)***	***178***	***619***
F11 MIXED-USE	***1110 F STREET***	***N 1/2 - 1 (0.933 mi.)***	***179***	***629***
Not reported	333 24TH ST	NE 1/2 - 1 (0.949 mi.)	181	631
TDY INDUSTRIES, INC.	***2701 NORTH HARBOR DR***	***ESE 1/2 - 1 (0.987 mi.)***	***183***	***633***

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 09/18/2016 has revealed that there are 6 ECHO sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RESEARCH VESSEL ROBE	***623 SWITZER***	***0 - 1/8 (0.000 mi.)***	***A4***	***15***
RESEARCH VESSEL NEW	***623 SWITZER***	***0 - 1/8 (0.000 mi.)***	***A12***	***27***
RESEARCH VESSEL MELV	***623 SWITZER***	***0 - 1/8 (0.000 mi.)***	***A16***	***33***
SAN DIEGO GAS AND EL	***623 SWITZER STREET***	***0 - 1/8 (0.000 mi.)***	***A17***	***33***
RESEARCH VESSEL SALL	***623 SWITZER***	***0 - 1/8 (0.000 mi.)***	***A23***	***40***
RESEARCH VESSEL ROGE	***623 SWITZER***	***0 - 1/8 (0.000 mi.)***	***A24***	***41***

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAN DIEGO GAS WORKS	9TH STREET BTWN IMPE	N 1/4 - 1/2 (0.399 mi.)	N87	221

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF: The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

A review of the CA RGA LF list, as provided by EDR, has revealed that there is 1 CA RGA LF site within approximately 0.001 miles of the target property.

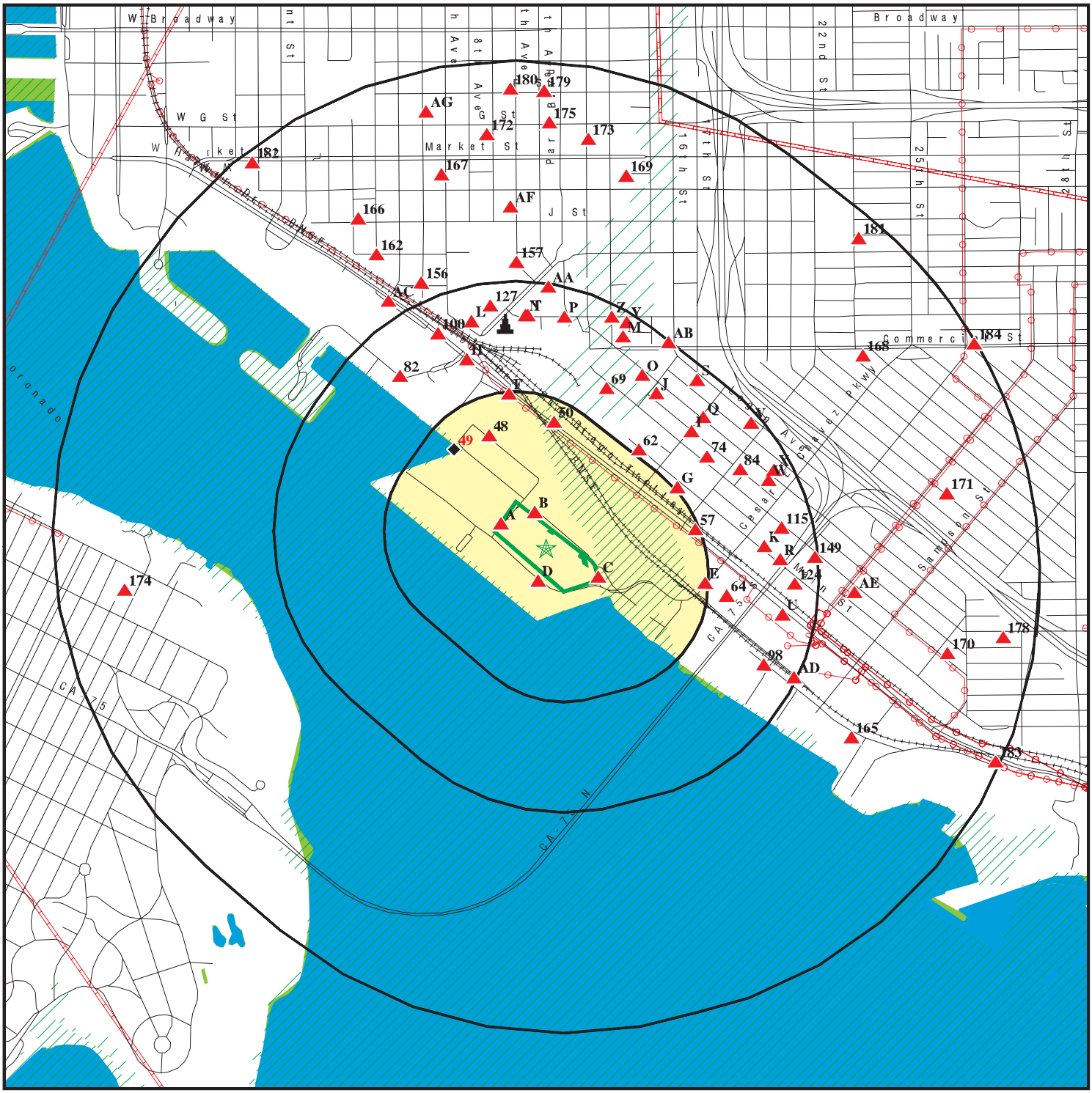
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PORT OF SAN DIEGO G Facility ID: 37-AB-0012	632 SWITZER STREET 1	0 - 1/8 (0.000 mi.)	A18	34

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 30 records.

Site Name	Database(s)
GIFFORD'S BARRELS	SEMS-ARCHIVE
OLD POLICE STATION	CA LUST
DOLE FRESH FRUIT COMPANY	CA AST, CA San Diego Co. HMMD
BAY FRONT STREET/CROSBY STREET REL	CA SLIC
LINDBERGH FIELD PLANT - BLDG 75	CA SLIC
WEST HARBOR BASIN	CA SLIC
MEMORIAL AREA MIDDLE SCHOOL ALT SI	CA ENVIROSTOR, CA SCH
KENNEDY/KNOX SCHOOL SITE NO. 1	CA ENVIROSTOR, CA SCH
MEAD ELEMENTARY SCHOOL EXPANSION	CA ENVIROSTOR, CA SCH
TRIANGLE PROPERTY	CA ENVIROSTOR
THE RENAISSANCE MARINA CENTER	CA ENVIROSTOR
ICON	CA ENVIROSTOR
CITY WALK CONDOS	CA ENVIROSTOR
MTDB LEASEHOLD	CA ENVIROSTOR
LOTS 2 THRU 12 IN BLOCK 24 OF MIDD	CA ENVIROSTOR
UNION SQUARE	CA ENVIROSTOR
INTERNATIONAL GATEWAY	CA ENVIROSTOR
9TH AND IMPERIAL	CA ENVIROSTOR
SAN DIEGO NALF (AUXLNDFL)	CA ENVIROSTOR
PROPOSED 5TH & K DEVELOPMENT	CA ENVIROSTOR
CAMPBELL INDUSTRIES	CA SAN DIEGO CO. SAM
MTS-PORT DISTRICT SITE CLOSED	CA SAN DIEGO CO. SAM
CROSBY ST CORRIDOR	CA SAN DIEGO CO. SAM
BURLINGTON NTHRN&SANTA FE RAIL	CA SAN DIEGO CO. SAM
SDCTY-FIRE STATION #07	CA SAN DIEGO CO. SAM
CROSBY STREET MERCADO	CA SAN DIEGO CO. SAM
FORMER UNOCAL PIPELINE	CA SAN DIEGO CO. SAM
24TH & IMPERIAL AUTO REPAIR	CA SAN DIEGO CO. SAM
IMPERIAL AV 8TH> >9TH (VAP)	CA SAN DIEGO CO. SAM
SOUTHWEST MARINE	CA SAN DIEGO CO. SAM

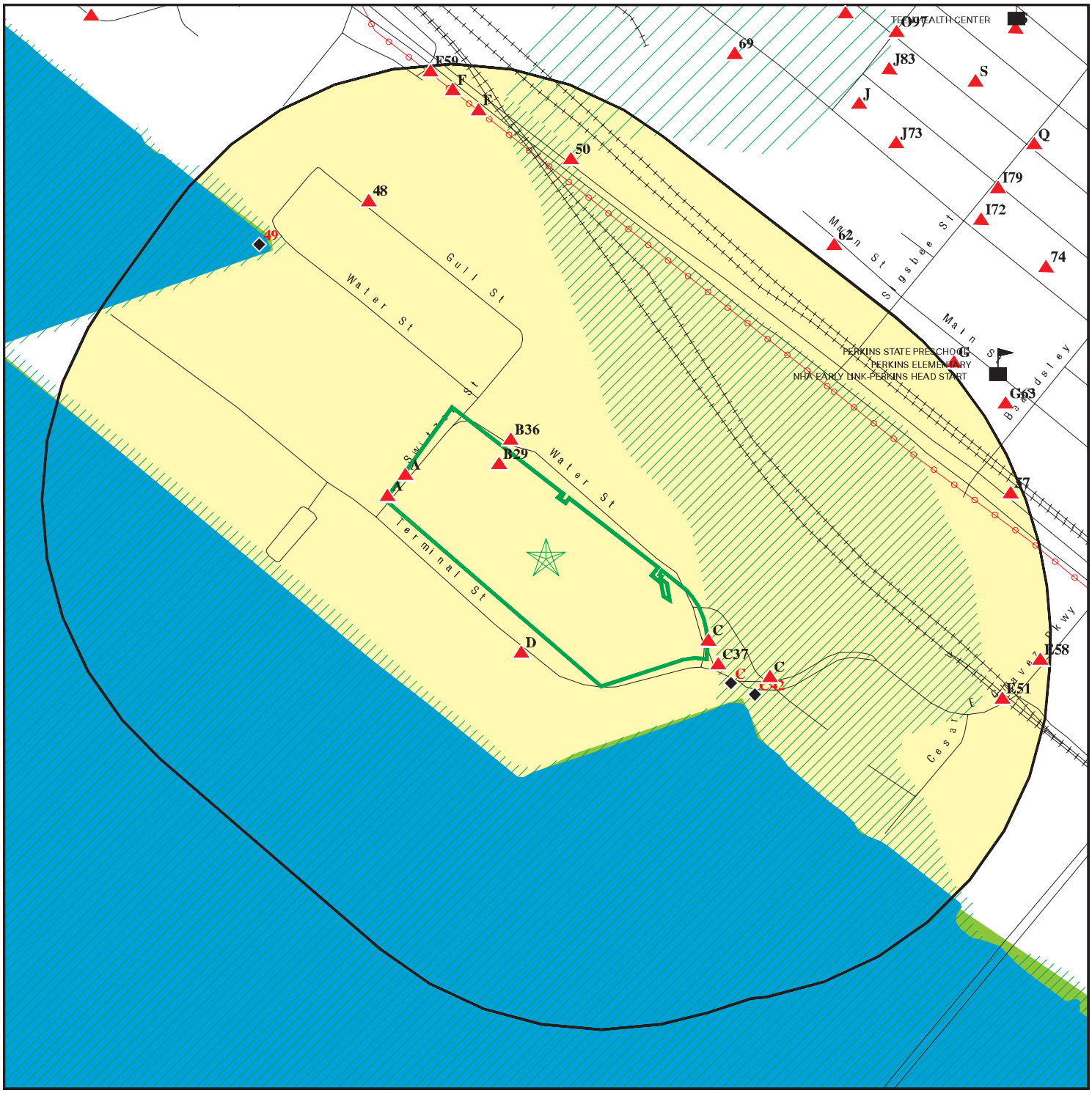
OVERVIEW MAP - 4806830.2S



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: TAMT - Warehouse C	CLIENT: Ninyo & Moore
ADDRESS: 645 Switzer Creek San Diego CA 92101	CONTACT: Adrian Olivares INQUIRY #: 4806830.2s
LAT/LONG: 32.698604 / 117.154416	DATE: December 15, 2016 11:08 am

DETAIL MAP - 4806830.2S



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: TAMT - Warehouse C	CLIENT: Ninyo & Moore
ADDRESS: 645 Switzer Creek San Diego CA 92101	CONTACT: Adrian Olivares
LAT/LONG: 32.698604 / 117.154416	INQUIRY #: 4806830.2s DATE: December 15, 2016 11:09 am

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	3	NR	NR	3
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	1	1	NR	2
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	1	NR	NR	1
Federal RCRA generators list								
RCRA-LQG	0.250		6	0	NR	NR	NR	6
RCRA-SQG	0.250		2	2	NR	NR	NR	4
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		1	NR	NR	NR	NR	1
State- and tribal - equivalent NPL								
CA RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
CA ENVIROSTOR	1.000		0	0	8	27	NR	35
State and tribal landfill and/or solid waste disposal site lists								
CA SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
CA SAN DIEGO CO. SAM	0.500		3	2	43	NR	NR	48

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA LUST	0.500		6	3	33	NR	NR	42
INDIAN LUST	0.500		0	0	0	NR	NR	0
CA SLIC	0.500		5	4	43	NR	NR	52
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
CA UST	0.250		0	1	NR	NR	NR	1
CA AST	0.250		2	2	NR	NR	NR	4
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
CA VCP	0.500		0	0	1	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
CA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
CA WMUDS/SWAT	0.500		0	0	0	NR	NR	0
CA SWRCY	0.500		0	0	0	NR	NR	0
CA HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.000		0	0	0	0	NR	0
CA SCH	0.250		0	0	NR	NR	NR	0
CA CDL	0.001		0	NR	NR	NR	NR	0
CA San Diego Co. HMMD	0.001		4	NR	NR	NR	NR	4
CA Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA SWEEPS UST	0.250		4	0	NR	NR	NR	4
CA HIST UST	0.250		2	1	NR	NR	NR	3
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
CA LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CA CHMIRS	0.001		1	NR	NR	NR	NR	1
CA LDS	0.001		1	NR	NR	NR	NR	1
CA MCS	0.001		0	NR	NR	NR	NR	0
CA SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		7	NR	NR	NR	NR	7
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CA Cortese	0.500		0	0	0	NR	NR	0
CA CUPA Listings	0.250		0	0	NR	NR	NR	0
CA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
CA EMI	0.001		0	NR	NR	NR	NR	0
CA ENF	0.001		0	NR	NR	NR	NR	0
CA Financial Assurance	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA HAZNET	0.001		14	NR	NR	NR	NR	14
CA HIST CORTESE	0.500		4	1	18	NR	NR	23
CA HWP	1.000		0	0	1	1	NR	2
CA HWT	0.250		0	0	NR	NR	NR	0
NY MANIFEST	0.250		0	0	NR	NR	NR	0
TX Ind. Haz Waste	0.250		0	1	NR	NR	NR	1
CA MINES	0.001		0	NR	NR	NR	NR	0
CA MWMP	0.250		0	0	NR	NR	NR	0
CA NPDES	0.001		0	NR	NR	NR	NR	0
CA PEST LIC	0.001		0	NR	NR	NR	NR	0
CA PROC	0.500		0	0	0	NR	NR	0
CA Notify 65	1.000		0	0	4	4	NR	8
CA UIC	0.001		0	NR	NR	NR	NR	0
CA WASTEWATER PITS	0.500		0	0	0	NR	NR	0
CA WDS	0.001		0	NR	NR	NR	NR	0
CA WIP	0.250		0	0	NR	NR	NR	0
CA ICE	TP		NR	NR	NR	NR	NR	0
ECHO	0.001		6	NR	NR	NR	NR	6
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	1	0	NR	1
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
CA RGA LF	0.001		1	NR	NR	NR	NR	1
CA RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	70	17	157	33	0	277

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
< 1/8
1 ft.

SAN DIEGO GAS AND ELECTRIC-10TH. AVE. MARINE TERMINAL
623 SWITZER STREET
SAN DIEGO, CA 92101

RCRA-LQG

1016954994
CAP000241406

Site 1 of 32 in cluster A

Relative:
Higher

Actual:
15 ft.

RCRA-LQG:

Date form received by agency:	03/01/2014
Facility name:	SAN DIEGO GAS AND ELECTRIC-10TH. AVE. MARINE TERMINAL
Facility address:	623 SWITZER STREET SAN DIEGO, CA 92101
EPA ID:	CAP000241406
Mailing address:	CONSOLIDATED WAY SD1373 SAN DIEGO, CA 921212602
Contact:	JAMES T SCRUGGS
Contact address:	CONSOLIDATED WAY SD1373 SAN DIEGO, CA 921212602
Contact country:	Not reported
Contact telephone:	(858) 653-3104
Contact email:	JSCRUGGS@SEMPRAUTILITIES.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	SAN DIEGO UNIFIED PORT DIST
Owner/operator address:	3165 PACIFIC HWY SAN DIEGO, CA 92101
Owner/operator country:	US
Owner/operator telephone:	619-686-6200
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1962
Owner/Op end date:	Not reported

Owner/operator name:	SAN DIEGO UNIFIED PORT DISTRICT
Owner/operator address:	PACIFIC HIGHWAY SAN DIEGO, CA 92101
Owner/operator country:	Not reported
Owner/operator telephone:	(619) 686-6200
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1962
Owner/Op end date:	Not reported

Owner/operator name:	SAN DIEGO GAS AND ELECTRIC
Owner/operator address:	Not reported

SAN DIEGO GAS AND ELECTRIC-10TH. AVE. MARINE TERMINAL (Continued) **1016954994**

Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/01/2013
Owner/Op end date: Not reported

Owner/operator name: SAN DIEGO GAS AND ELECTRIC
Owner/operator address: CONSOLIDATED WAY SD1373
SAN DIEGO, CA 92121
Owner/operator country: Not reported
Owner/operator telephone: (858) 653-3104
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/01/2013
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 611
. Waste name: 611

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 11/19/2013
Site name: SAN DIEGO GAS AND ELECTRIC
Classification: Not a generator, verified

Date form received by agency: 08/09/2013
Site name: SAN DIEGO GAS AND ELECTRIC
Classification: Large Quantity Generator

. Waste code: 151
. Waste name: 151

. Waste code: 181
. Waste name: 181

SAN DIEGO GAS AND ELECTRIC-10TH. AVE. MARINE TERMINAL (Continued) **1016954994**

. Waste code: 352
. Waste name: 352

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

Violation Status: No violations found

A2 **RESEARCH VESSEL ROBERT GORDON SPROUL IMO 8128747** **RCRA-LQG** **1016955044**
623 SWITZER **CAR000247510**
< 1/8 **SAN DIEGO, CA 92121**
1 ft.

Site 2 of 32 in cluster A

Relative:
Higher

Actual:
15 ft.

RCRA-LQG:
Date form received by agency: 07/07/2014
Facility name: RESEARCH VESSEL ROBERT GORDON SPROUL IMO 8128747
Facility address: 623 SWITZER
IMO 8128747
SAN DIEGO, CA 92121
EPA ID: CAR000247510
Mailing address: 297 ROSECRANS ST
SAN DIEGO, CA 92106
Contact: DONAL GARY G LAIN
Contact address: 9500 GILMAN DR
LA JOLLA, CA 92093
Contact country: US
Contact telephone: 858-534-0193
Contact email: DLAIN@UCSD.EDU
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1

RESEARCH VESSEL ROBERT GORDON SPROUL IMO 8128747 (Continued) **1016955044**

kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	SCRIPPS INSTITUTION OF OCEANOGRAPHY
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	06/01/1981
Owner/Op end date:	Not reported
Owner/operator name:	UNIVERSITY OF CALIFORNIA REGENTS
Owner/operator address:	9500 GILMAN DR
	LA JOLLA, 92093
Owner/operator country:	US
Owner/operator telephone:	858-534-0193
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	06/01/1981
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	121
. Waste name:	121
. Waste code:	122
. Waste name:	122
. Waste code:	131
. Waste name:	131
. Waste code:	133
. Waste name:	133

RESEARCH VESSEL ROBERT GORDON SPROUL IMO 8128747 (Continued) **1016955044**

. Waste code: 134
. Waste name: 134

. Waste code: 135
. Waste name: 135

. Waste code: 151
. Waste name: 151

. Waste code: 172
. Waste name: 172

. Waste code: 181
. Waste name: 181

. Waste code: 211
. Waste name: 211

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

. Waste code: 222
. Waste name: 222

. Waste code: 223
. Waste name: 223

. Waste code: 261
. Waste name: 261

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 351
. Waste name: 351

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

. Waste code: 512
. Waste name: 512

RESEARCH VESSEL ROBERT GORDON SPROUL IMO 8128747 (Continued) **1016955044**

. Waste code: 513
. Waste name: 513

. Waste code: 541
. Waste name: 541

. Waste code: 551
. Waste name: 551

. Waste code: 731
. Waste name: 731

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE,

RESEARCH VESSEL ROBERT GORDON SPROUL IMO 8128747 (Continued) **1016955044**

1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U123
. Waste name: FORMIC ACID (C,T)

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U160
. Waste name: 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T)

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

RESEARCH VESSEL ROBERT GORDON SPROUL IMO 8128747 (Continued) **1016955044**

. Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Violation Status: No violations found

A3 **TROJAN STAR IMO# 8222991** **CA HAZNET** **S112947204**
623 SWITZER ST BERTH 2 **N/A**
< 1/8 **SAN DIEGO, CA 92101**
1 ft.

Site 3 of 32 in cluster A

Relative: Higher

Actual: 15 ft.

HAZNET:

envid:	S112947204
Year:	2005
GEPAID:	CAC002593152
Contact:	DEAN SYKES
Telephone:	6192328941
Mailing Name:	Not reported
Mailing Address:	2191 MAIN ST
Mailing City,St,Zip:	SAN DIEGO, CA 92113
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Oil/water separation sludge
Disposal Method:	Recycler
Tons:	12.51
Cat Decode:	Oil/water separation sludge
Method Decode:	Recycler
Facility County:	San Diego

A4 **RESEARCH VESSEL ROBERT GORDON SPROUL IMO 8128747** **FINDS** **1017364370**
623 SWITZER **ECHO** **N/A**
< 1/8 **SAN DIEGO, CA 92121**
1 ft.

Site 4 of 32 in cluster A

Relative: Higher

Actual: 15 ft.

FINDS:

Registry ID: 110060284963

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1017364370
Registry ID:	110060284963
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110060284963

A5 **OSIRUS DBA SELRICO SERVICES INC** **CA HAZNET** **S112977567**
623 SWITZER ST **N/A**
< 1/8 **SAN DIEGO, CA 92101**
1 ft.

Site 5 of 32 in cluster A

Relative: HAZNET:
Higher

envid:	S112977567
Year:	2009
GEPAID:	CAC002641850
Contact:	JEFF HOPPER
Telephone:	6193017066
Mailing Name:	Not reported
Mailing Address:	717 W ASHBY PL
Mailing City,St,Zip:	SAN ANTONIO, TX 782123808
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Other Treatment
Tons:	0.8735
Cat Decode:	Other organic solids
Method Decode:	Other Treatment
Facility County:	San Diego

Actual:
15 ft.

envid:	S112977567
Year:	2009
GEPAID:	CAC002641850
Contact:	JEFF HOPPER
Telephone:	6193017066
Mailing Name:	Not reported
Mailing Address:	717 W ASHBY PL
Mailing City,St,Zip:	SAN ANTONIO, TX 782123808
Gen County:	Not reported
TSD EPA ID:	CAT080025711
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.95
Cat Decode:	Waste oil and mixed oil
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	San Diego

envid:	S112977567
Year:	2009
GEPAID:	CAC002641850
Contact:	JEFF HOPPER
Telephone:	6193017066
Mailing Name:	Not reported
Mailing Address:	717 W ASHBY PL
Mailing City,St,Zip:	SAN ANTONIO, TX 782123808
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

OSIRUS DBA SELRICO SERVICES INC (Continued) **S112977567**

Tons: 0.22935
Cat Decode: Unspecified oil-containing waste
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: San Diego

envid: S112977567
Year: 2009
GEPAID: CAC002641850
Contact: JEFF HOPPER
Telephone: 6193017066
Mailing Name: Not reported
Mailing Address: 717 W ASHBY PL
Mailing City,St,Zip: SAN ANTONIO, TX 782123808
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.209
Cat Decode: Waste oil and mixed oil
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: San Diego

envid: S112977567
Year: 2009
GEPAID: CAC002641850
Contact: JEFF HOPPER
Telephone: 6193017066
Mailing Name: Not reported
Mailing Address: 717 W ASHBY PL
Mailing City,St,Zip: SAN ANTONIO, TX 782123808
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 1.008
Cat Decode: Unspecified aqueous solution
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
7 additional CA_HAZNET: record(s) in the EDR Site Report.

A6 **RESEARCH VESSEL MELVILLE IMO 7738591** **CA HAZNET** **S118237671**
623 SWITZER ST **N/A**
< 1/8 **SAN DIEGO, CA 92101**
1 ft.

Site 6 of 32 in cluster A

Relative: Higher

Actual: 15 ft.

HAZNET:

envid:	S118237671
Year:	2014
GEPAID:	CAR000247551
Contact:	DONALD GARY G LAIN
Telephone:	8585340193
Mailing Name:	Not reported
Mailing Address:	297 ROSECRANS ST
Mailing City,St,Zip:	SAN DIEGO, CA 921060000
Gen County:	San Diego
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0594
Cat Decode:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	San Diego

A7 **RESEARCH VESSEL ROGER REVELLE IMO 9075228** **RCRA-LQG** **1016955046**
623 SWITZER **CAR000247536**
< 1/8 **SAN DIEGO, CA 92121**
1 ft.

Site 7 of 32 in cluster A

Relative: Higher

Actual: 15 ft.

RCRA-LQG:

Date form received by agency:	07/07/2014
Facility name:	RESEARCH VESSEL ROGER REVELLE IMO 9075228
Facility address:	623 SWITZER IMO 9075228 SAN DIEGO, CA 92121
EPA ID:	CAR000247536
Mailing address:	297 ROSECRANS ST SAN DIEGO, CA 92106
Contact:	DONALD GARY G LAIN
Contact address:	9500 GILMAN DR LA JOLLA, CA 92093
Contact country:	US
Contact telephone:	858-534-0193
Contact email:	DLAIN@UCSD.EDU
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

RESEARCH VESSEL ROGER REVELLE IMO 9075228 (Continued) **1016955046**

hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	UNIVERSITY OF CALIFORNIA REGENTS
Owner/operator address:	9500 GILMAN DR
	LA JOLLA, 92093
Owner/operator country:	US
Owner/operator telephone:	858-534-0193
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	06/01/1996
Owner/Op end date:	Not reported
Owner/operator name:	SCRIPPS INSTITUTION OF OCEANOGRAPHY
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	06/01/1996
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	121
. Waste name:	121
. Waste code:	122
. Waste name:	122
. Waste code:	131
. Waste name:	131
. Waste code:	133
. Waste name:	133
. Waste code:	134
. Waste name:	134

RESEARCH VESSEL ROGER REVELLE IMO 9075228 (Continued) **1016955046**

. Waste code: 135
. Waste name: 135

. Waste code: 151
. Waste name: 151

. Waste code: 172
. Waste name: 172

. Waste code: 181
. Waste name: 181

. Waste code: 211
. Waste name: 211

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

. Waste code: 222
. Waste name: 222

. Waste code: 223
. Waste name: 223

. Waste code: 261
. Waste name: 261

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 351
. Waste name: 351

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

. Waste code: 512
. Waste name: 512

. Waste code: 513
. Waste name: 513

RESEARCH VESSEL ROGER REVELLE IMO 9075228 (Continued) **1016955046**

. Waste code: 541
. Waste name: 541

. Waste code: 551
. Waste name: 551

. Waste code: 731
. Waste name: 731

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

RESEARCH VESSEL ROGER REVELLE IMO 9075228 (Continued) **1016955046**

ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U123
. Waste name: FORMIC ACID (C,T)

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U160
. Waste name: 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T)

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

RESEARCH VESSEL ROGER REVELLE IMO 9075228 (Continued) **1016955046**

Violation Status: No violations found

A8 **RESEARCH VESSEL ROBERT GORDON SPROUL IMO 8128747** **CA HAZNET** **S118237669**
623 SWITZER ST **N/A**
< 1/8 **SAN DIEGO, CA 92101**
1 ft.

Site 8 of 32 in cluster A

Relative:
Higher

Actual:
15 ft.

HAZNET:

envid:	S118237669
Year:	2014
GEPAID:	CAR000247510
Contact:	DONAL GARY G LAIN
Telephone:	8585340193
Mailing Name:	Not reported
Mailing Address:	297 ROSECRANS ST
Mailing City,St,Zip:	SAN DIEGO, CA 921060000
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Oil/water separation sludge
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	2.919
Cat Decode:	Oil/water separation sludge
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	San Diego

envid:	S118237669
Year:	2014
GEPAID:	CAR000247510
Contact:	DONAL GARY G LAIN
Telephone:	8585340193
Mailing Name:	Not reported
Mailing Address:	297 ROSECRANS ST
Mailing City,St,Zip:	SAN DIEGO, CA 921060000
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Waste oil and mixed oil
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.14
Cat Decode:	Waste oil and mixed oil
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	San Diego

A9 **HYDRO AGRI BAKER TANK** **CA San Diego Co. HMMD** **S105298823**
600 SWITZER ST **N/A**
< 1/8 **SAN DIEGO, CA 92101**
1 ft.

Site 9 of 32 in cluster A

Relative:
Higher

Actual:
15 ft.

SAN DIEGO CO. HMMD:

Facility Id:	102601
Business Type:	6HK18
EPA Id Number:	CAD981374796
APN:	DEH-102601
Last HMMD Inspection:	04/01/2004
Permit Status:	INAC
Permit Expiration:	05/31/2004
Facility Owner:	HYDRO-AGRI-NORTH AMER-INC
Facility Address:	1770 THOR ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	102601
Update Date:	11/02/2012
Inspection Date:	04/01/2004
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	Inactive Permit

A10 **MARINE TERMINALS CORP.** **CA San Diego Co. HMMD** **S105298902**
602 SWITZER ST **N/A**
< 1/8 **SAN DIEGO, CA 92101**
1 ft.

Site 10 of 32 in cluster A

Relative:
Higher

Actual:
15 ft.

SAN DIEGO CO. HMMD:

Facility Id:	116790
Business Type:	6HK18
EPA Id Number:	CAD981374796
APN:	DEH-116790
Last HMMD Inspection:	02/05/2002
Permit Status:	CHNG
Permit Expiration:	07/31/2002
Facility Owner:	MARINE TERMINALS CORP
Facility Address:	2001 JOHN S KIBSON AV
Facility City:	SAN PEDRO
Facility State:	CA
Facility Zip:	90731-1503
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported

MARINE TERMINALS CORP. (Continued) **S105298902**

Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

A11 **US COAST GUARD** **CA HAZNET** **S113160936**
623 SWITZER ST **N/A**
< 1/8 **SAN DIEGO, CA 92101**
1 ft.

Site 11 of 32 in cluster A

Relative: Higher

Actual: 15 ft.

HAZNET:

envid:	S113160936
Year:	2014
GEPAID:	CAL000360096
Contact:	BERNARD ROYAL
Telephone:	6192787225
Mailing Name:	Not reported
Mailing Address:	2710 HARBOR DR
Mailing City,St,Zip:	SAN DIEGO, CA 921010000
Gen County:	San Diego
TSD EPA ID:	CA7170090016
TSD County:	San Diego
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	17.514
Cat Decode:	Unspecified oil-containing waste
Method Decode:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Facility County:	San Diego

envid:	S113160936
Year:	2014
GEPAID:	CAL000360096
Contact:	BERNARD ROYAL
Telephone:	6192787225
Mailing Name:	Not reported
Mailing Address:	2710 HARBOR DR
Mailing City,St,Zip:	SAN DIEGO, CA 921010000
Gen County:	San Diego
TSD EPA ID:	CAD982444481
TSD County:	San Bernardino
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.4
Cat Decode:	Other organic solids
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	San Diego

envid:	S113160936
Year:	2014
GEPAID:	CAL000360096
Contact:	BERNARD ROYAL
Telephone:	6192787225
Mailing Name:	Not reported

US COAST GUARD (Continued) **S113160936**

Mailing Address:	2710 HARBOR DR
Mailing City,St,Zip:	SAN DIEGO, CA 921010000
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.4225
Cat Decode:	Off-specification, aged or surplus organics
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	San Diego
envid:	S113160936
Year:	2013
GEPAID:	CAL000360096
Contact:	BERNARD ROYAL
Telephone:	6192787225
Mailing Name:	Not reported
Mailing Address:	2710 HARBOR DR
Mailing City,St,Zip:	SAN DIEGO, CA 921010000
Gen County:	San Diego
TSD EPA ID:	CA7170090016
TSD County:	San Diego
Waste Category:	Not reported
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	140.946
Cat Decode:	Not reported
Method Decode:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Facility County:	Not reported
envid:	S113160936
Year:	2012
GEPAID:	CAL000360096
Contact:	BERNARD ROYAL
Telephone:	6192282225
Mailing Name:	Not reported
Mailing Address:	2710 N HARBOR DR
Mailing City,St,Zip:	SAN DIEGO, CA 921011028
Gen County:	San Diego
TSD EPA ID:	CA7170090016
TSD County:	San Diego
Waste Category:	Not reported
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	18.1395
Cat Decode:	Not reported
Method Decode:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

A12 **RESEARCH VESSEL NEW HORIZON IMO7723821** **FINDS** **1017364373**
623 SWITZER **ECHO** **N/A**
< 1/8 **SAN DIEGO, CA 92191**
1 ft.

Site 12 of 32 in cluster A

Relative: FINDS:
Higher

Registry ID: 110060284990

Actual:
15 ft.

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1017364373
Registry ID: 110060284990
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110060284990

A13 **ERNS** **2014089612**
623 SWITZER ST **N/A**
< 1/8 **SAN DIEGO, CA**
1 ft.

Site 13 of 32 in cluster A

Relative:
Higher

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
15 ft.

A14 **MARINE TERMINALS CORP** **CA HAZNET** **S112877475**
614 SWITZER ST **N/A**
< 1/8 **SAN DIEGO, CA 92112**
1 ft.

Site 14 of 32 in cluster A

Relative: HAZNET:
Higher

envid: S112877475
Year: 1997
GEPAID: CAC001246056
Contact: MARINE TERMINALS CORP
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1601 PIER D ST
Mailing City,St,Zip: LONG BEACH, CA 908020000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: .2293
Cat Decode: Aqueous solution with total organic residues less than 10 percent
Method Decode: Recycler
Facility County: San Diego

Actual:
15 ft.

MARINE TERMINALS CORP (Continued) **S112877475**

envid:	S112877475
Year:	1997
GEPAID:	CAC001246056
Contact:	MARINE TERMINALS CORP
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	1601 PIER D ST
Mailing City,St,Zip:	LONG BEACH, CA 908020000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	.1500
Cat Decode:	Other organic solids
Method Decode:	Transfer Station
Facility County:	San Diego

A15 **RESEARCH VESSEL MELVILLE IMO 7738591** **RCRA-LQG** **1016955048**
623 SWITZER **CAR000247551**
< 1/8 **SAN DIEGO, CA 92191**
1 ft.

Site 15 of 32 in cluster A

Relative: Higher

Actual: 15 ft.

RCRA-LQG:

Date form received by agency:	07/07/2014
Facility name:	RESEARCH VESSEL MELVILLE IMO 7738591
Facility address:	623 SWITZER IMO 7738591 SAN DIEGO, CA 92191
EPA ID:	CAR000247551
Mailing address:	297 ROSECRANS ST SAN DIEGO, CA 92106
Contact:	DONALD GARY G LAIN
Contact address:	9500 GILMAN DR NO 0214 LA JOLLA, CA 92093
Contact country:	US
Contact telephone:	858-534-0193
Contact email:	DLAIN@UCSD.EDU
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	UNIVERSITY OF CALIFORNIA REGENTS
Owner/operator address:	9500 GILMAN DR NO 0214

RESEARCH VESSEL MELVILLE IMO 7738591 (Continued) **1016955048**

LA JOLLA, 92093
Owner/operator country: US
Owner/operator telephone: 858-534-0193
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 08/01/1969
Owner/Op end date: Not reported

Owner/operator name: SCRIPPS INSTITUTION OF OCEANOGRAPHY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: 08/01/1969
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 131
. Waste name: 131

. Waste code: 133
. Waste name: 133

. Waste code: 134
. Waste name: 134

. Waste code: 135
. Waste name: 135

. Waste code: 151
. Waste name: 151

. Waste code: 172

RESEARCH VESSEL MELVILLE IMO 7738591 (Continued) **1016955048**

. Waste name: 172

. Waste code: 181
. Waste name: 181

. Waste code: 211
. Waste name: 211

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

. Waste code: 222
. Waste name: 222

. Waste code: 223
. Waste name: 223

. Waste code: 261
. Waste name: 261

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 351
. Waste name: 351

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

. Waste code: 512
. Waste name: 512

. Waste code: 513
. Waste name: 513

. Waste code: 541
. Waste name: 541

. Waste code: 551
. Waste name: 551

. Waste code: 731

RESEARCH VESSEL MELVILLE IMO 7738591 (Continued) **1016955048**

. Waste name: 731

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

RESEARCH VESSEL MELVILLE IMO 7738591 (Continued) **1016955048**

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U123
. Waste name: FORMIC ACID (C,T)

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U160
. Waste name: 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T)

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Violation Status: No violations found

A16 **RESEARCH VESSEL MELVILLE IMO 7738591** **FINDS** **1017364374**
623 SWITZER **ECHO** **N/A**
< 1/8 **SAN DIEGO, CA 92191**
1 ft.

Site 16 of 32 in cluster A

Relative: Higher

Actual: 15 ft.

FINDS:

Registry ID: 110060285007

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1017364374
Registry ID: 110060285007
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110060285007

A17 **SAN DIEGO GAS AND ELECTRIC-10TH. AVE. MARINE TERMINAL** **FINDS** **1017391670**
623 SWITZER STREET **ECHO** **N/A**
< 1/8 **SAN DIEGO, CA 92101**
1 ft.

Site 17 of 32 in cluster A

Relative: Higher

Actual: 15 ft.

FINDS:

Registry ID: 110062903737

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

ECHO:
Envid: 1017391670
Registry ID: 110062903737
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110062903737

A18 **PORT OF SAN DIEGO GENERAL SERVICES LVTO** **CA RGA LF** **S114731607**
632 SWITZER STREET 10TH AVE. MARINE TRM. **N/A**
< 1/8 **SAN DIEGO, CA**
1 ft.

Site 18 of 32 in cluster A

Relative: RGA LF:
Higher

2006 PORT OF SAN DIEGO GENERAL SERVICES LVTO 632 SWITZER STREET 10TH AVE. MARINE TRM.

Actual:
15 ft.

2005 PORT OF SAN DIEGO GENERAL SERVICES LVTO 632 SWITZER STREET 10TH AVE. MARINE TRM.

2004 PORT OF SAN DIEGO GENERAL SERVICES LVTO 632 SWITZER STREET 10TH AVE. MARINE TRM.

2003 PORT OF SAN DIEGO GENERAL SERVICES LVTO 632 SWITZER STREET 10TH AVE. MARINE TRM.

A19 **CA CHMIRS** **S117330832**
623 SWITZER ST, CROSBY STREET PIER **N/A**
< 1/8 **SAN DIEGO, CA**
1 ft.

Site 19 of 32 in cluster A

Relative: CHMIRS:
Higher

OES Incident Number:	4-4076
OES notification:	07/19/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported

(Continued) **S117330832**

Type:	UNSPECIFIED
Measure:	Sheen
Other:	Not reported
Date/Time:	1758
Year:	2014
Agency:	NRC
Incident Date:	7/19/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	UNKNOWN
Quantity Released:	125 x 10
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	Per the NRC report: CALLER REPORTED AND UNKNOWN SHEEN COMING FROM AN UNKNOWN SOURCE.

A20 **SERLICO SERVICES INC** **CA HAZNET** **S112964480**
623 SWITZER ST **N/A**
< 1/8 **SAN DIEGO, CA 92101**
1 ft.

Site 20 of 32 in cluster A

Relative:
Higher

Actual:
15 ft.

HAZNET:

envid:	S112964480
Year:	2013
GEPAID:	CAP000241406
Contact:	JAMES SCRUGGS
Telephone:	8586533104
Mailing Name:	Not reported
Mailing Address:	6875 CONSOLIDATED WAY
Mailing City,St,Zip:	SAN DIEGO, CA 92121
Gen County:	San Diego
TSD EPA ID:	CAD980675276
TSD County:	Kern
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	594.72
Cat Decode:	Not reported
Method Decode:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

SERLICO SERVICES INC (Continued) **S112964480**

Facility County: Not reported

envid: S112964480
Year: 2013
GEPAID: CAP000241406
Contact: JAMES SCRUGGS
Telephone: 8586533104
Mailing Name: Not reported
Mailing Address: 6875 CONSOLIDATED WAY
Mailing City,St,Zip: SAN DIEGO, CA 92121
Gen County: San Diego
TSD EPA ID: TXD055141378
TSD County: 99
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 84.96
Cat Decode: Not reported
Method Decode: Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County: Not reported

envid: S112964480
Year: 2007
GEPAID: CAC002621433
Contact: KEVIN TAYLOR
Telephone: 9098564481
Mailing Name: Not reported
Mailing Address: 717 WASHBY PL
Mailing City,St,Zip: SAN ANTONIO, TX 78212
Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 14.25
Cat Decode: Waste oil and mixed oil
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: San Diego

envid: S112964480
Year: 2007
GEPAID: CAC002621433
Contact: KEVIN TAYLOR
Telephone: 9098564481
Mailing Name: Not reported
Mailing Address: 717 WASHBY PL
Mailing City,St,Zip: SAN ANTONIO, TX 78212
Gen County: Not reported
TSD EPA ID: CAT080013532
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.42
Cat Decode: Unspecified aqueous solution
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,

SERLICO SERVICES INC (Continued) **S112964480**

Organics Recovery Ect
Facility County: San Diego

envid: S112964480
Year: 2007
GEPAID: CAC002621433
Contact: KEVIN TAYLOR
Telephone: 9098564481
Mailing Name: Not reported
Mailing Address: 717 WASHBY PL
Mailing City,St,Zip: SAN ANTONIO, TX 78212
Gen County: Not reported
TSD EPA ID: CAD088504881
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 2.92
Cat Decode: Other inorganic solid waste
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

A21 **OSIRUS DBA SELRICO SVCS INC** **CA HAZNET** **S112971589**
623 SWITZER ST **N/A**
< 1/8 **SAN DIEGO, CA 92101**
1 ft.

Site 21 of 32 in cluster A

Relative: HAZNET:
Higher
envid: S112971589
Year: 2008
Actual: GEPAID: CAC002632452
15 ft. Contact: HELEN PREBERG
Telephone: 6199889693
Mailing Name: Not reported
Mailing Address: 101 N GLOVER AVE STE B
Mailing City,St,Zip: CHULA VISTA, CA 919101029
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.042
Cat Decode: Aqueous solution with total organic residues less than 10 percent
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: San Diego

envid: S112971589
Year: 2008
GEPAID: CAC002632452
Contact: HELEN PREBERG
Telephone: 6199889693

OSIRUS DBA SELRICO SVCS INC (Continued) **S112971589**

Mailing Name: Not reported
Mailing Address: 101 N GLOVER AVE STE B
Mailing City,St,Zip: CHULA VISTA, CA 919101029
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.089
Cat Decode: Not reported
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Diego

envid: S112971589
Year: 2008
GEPAID: CAC002632452
Contact: HELEN PREBERG
Telephone: 6199889693
Mailing Name: Not reported
Mailing Address: 101 N GLOVER AVE STE B
Mailing City,St,Zip: CHULA VISTA, CA 919101029
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Other Treatment
Tons: 0.029
Cat Decode: Other organic solids
Method Decode: Other Treatment
Facility County: San Diego

envid: S112971589
Year: 2008
GEPAID: CAC002632452
Contact: HELEN PREBERG
Telephone: 6199889693
Mailing Name: Not reported
Mailing Address: 101 N GLOVER AVE STE B
Mailing City,St,Zip: CHULA VISTA, CA 919101029
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0815
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Diego

envid: S112971589
Year: 2008
GEPAID: CAC002632452
Contact: HELEN PREBERG

OSIRUS DBA SELRICO SVCS INC (Continued) **S112971589**

Telephone:	6199889693
Mailing Name:	Not reported
Mailing Address:	101 N GLOVER AVE STE B
Mailing City,St,Zip:	CHULA VISTA, CA 919101029
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Other Treatment
Tons:	0.051
Cat Decode:	Off-specification, aged or surplus organics
Method Decode:	Other Treatment
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

A22 **SELRICO SERVICES INC** **CA HAZNET** **S112984047**
623 SWITZER ST **N/A**
< 1/8 **SAN DIEGO, CA 92101**
1 ft.

Site 22 of 32 in cluster A

Relative: **Higher**

Actual: **15 ft.**

HAZNET:

envid:	S112984047
Year:	2011
GEPAID:	CAC002663593
Contact:	JASON ZUGARO
Telephone:	7135456588
Mailing Name:	Not reported
Mailing Address:	717 W ASHBY PL
Mailing City,St,Zip:	SAN ANTONIO, TX 782123808
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2475
Cat Decode:	Off-specification, aged or surplus organics
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	San Diego

envid:	S112984047
Year:	2011
GEPAID:	CAC002663593
Contact:	JASON ZUGARO
Telephone:	7135456588
Mailing Name:	Not reported
Mailing Address:	717 W ASHBY PL
Mailing City,St,Zip:	SAN ANTONIO, TX 782123808
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

SELRICO SERVICES INC (Continued) **S112984047**

Tons:	2.299
Cat Decode:	Waste oil and mixed oil
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	San Diego
envid:	S112984047
Year:	2011
GEPAID:	CAC002663593
Contact:	JASON ZUGARO
Telephone:	7135456588
Mailing Name:	Not reported
Mailing Address:	717 W ASHBY PL
Mailing City,St,Zip:	SAN ANTONIO, TX 782123808
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.60465
Cat Decode:	Aqueous solution with total organic residues 10 percent or more
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	San Diego
envid:	S112984047
Year:	2011
GEPAID:	CAC002663593
Contact:	JASON ZUGARO
Telephone:	7135456588
Mailing Name:	Not reported
Mailing Address:	717 W ASHBY PL
Mailing City,St,Zip:	SAN ANTONIO, TX 782123808
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.673
Cat Decode:	Other organic solids
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	San Diego

A23 **RESEARCH VESSEL SALLY RIDE IMO 9695171** **FINDS 1017364371**
623 SWITZER **ECHO N/A**
< 1/8 **SAN DIEGO, CA 92191**
1 ft.

Site 23 of 32 in cluster A

Relative: Higher

FINDS:

Registry ID: 110060284972

Actual: 15 ft.

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource

RESEARCH VESSEL SALLY RIDE IMO 9695171 (Continued) **1017364371**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1017364371
Registry ID: 110060284972
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110060284972

A24 **RESEARCH VESSEL ROGER REVELLE IMO 9075228** **FINDS** **1017364372**
623 SWITZER **ECHO** **N/A**
< 1/8 **SAN DIEGO, CA 92121**
1 ft.

Site 24 of 32 in cluster A

Relative: Higher

Actual: 15 ft.

FINDS:

Registry ID: 110060284981

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1017364372
Registry ID: 110060284981
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110060284981

A25 **COMMANDER, NAVY REGION SOUTHWEST (10TH AVENUE MARINE TERMINA** **CA HAZNET** **S118225110**
623 SWITZER ST **N/A**
< 1/8 **SAN DIEGO, CA 92101**
1 ft.

Site 25 of 32 in cluster A

Relative: Higher

Actual: 15 ft.

HAZNET:
envid: S118225110
Year: 2014
GEPAID: CAC002790076
Contact: HARVEY STEWART
Telephone: 6195323840
Mailing Name: Not reported
Mailing Address: PO BOX 181470
Mailing City,St,Zip: CORONADO, CA 921781470
Gen County: San Diego
TSD EPA ID: CA7170090016
TSD County: San Diego
Waste Category: Unspecified oil-containing waste

COMMANDER, NAVY REGION SOUTHWEST (10TH AVENUE MARINE TERMINA (Continued) **S118225110**

Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	8.757
Cat Decode:	Unspecified oil-containing waste
Method Decode:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Facility County:	San Diego

A26 **RESEARCH VESSEL SALLY RIDE IMO 9695171** **RCRA-LQG** **1016955045**
623 SWITZER **CAR000247528**
< 1/8 **SAN DIEGO, CA 92191**
1 ft.

Site 26 of 32 in cluster A

Relative:
Higher

Actual:
15 ft.

RCRA-LQG:

Date form received by agency:	07/07/2014
Facility name:	RESEARCH VESSEL SALLY RIDE IMO 9695171
Facility address:	623 SWITZER IMO 9695171 SAN DIEGO, CA 92191
EPA ID:	CAR000247528
Mailing address:	297 ROSECRANS ST SAN DIEGO, CA 92106
Contact:	DONALD GARY G LAIN
Contact address:	9500 GILMAN DR NO 0214 LA JOLLA, CA 92093
Contact country:	US
Contact telephone:	858-534-0193
Contact email:	DLAIN@UCSD.EDU
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	SCRIPPS INSTITUTION OF OCEANOGRAPHY
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	06/01/2014
Owner/Op end date:	Not reported
Owner/operator name:	UNIVERSITY OF CALIFORNIA REGENTS
Owner/operator address:	9500 GILMAN DR NO 0214

RESEARCH VESSEL SALLY RIDE IMO 9695171 (Continued) **1016955045**

LA JOLLA, 92093
Owner/operator country: US
Owner/operator telephone: 858-534-0193
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 06/01/2014
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 131
. Waste name: 131

. Waste code: 133
. Waste name: 133

. Waste code: 134
. Waste name: 134

. Waste code: 135
. Waste name: 135

. Waste code: 151
. Waste name: 151

. Waste code: 172
. Waste name: 172

. Waste code: 181
. Waste name: 181

. Waste code: 211
. Waste name: 211

. Waste code: 212
. Waste name: 212

RESEARCH VESSEL SALLY RIDE IMO 9695171 (Continued) **1016955045**

. Waste code: 213
. Waste name: 213

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

. Waste code: 222
. Waste name: 222

. Waste code: 223
. Waste name: 223

. Waste code: 261
. Waste name: 261

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 351
. Waste name: 351

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

. Waste code: 512
. Waste name: 512

. Waste code: 513
. Waste name: 513

. Waste code: 541
. Waste name: 541

. Waste code: 551
. Waste name: 551

. Waste code: 731
. Waste name: 731

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

RESEARCH VESSEL SALLY RIDE IMO 9695171 (Continued) **1016955045**

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

RESEARCH VESSEL SALLY RIDE IMO 9695171 (Continued) **1016955045**

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U123
. Waste name: FORMIC ACID (C,T)

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U160
. Waste name: 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T)

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Violation Status: No violations found

A27 **RESEARCH VESSEL NEW HORIZON IMO7723821** **RCRA-LQG** **1016955047**
623 SWITZER **CAR000247544**
< 1/8 **SAN DIEGO, CA 92191**
1 ft.

Site 27 of 32 in cluster A

Relative:
Higher

Actual:
15 ft.

RCRA-LQG:
Date form received by agency: 07/07/2014
Facility name: RESEARCH VESSEL NEW HORIZON IMO7723821
Facility address: 623 SWITZER
IMO 7723821
SAN DIEGO, CA 92191
EPA ID: CAR000247544
Mailing address: 297 ROSECRANS ST
SAN DIEGO, CA 92106
Contact: DONALD GARY G LAIN
Contact address: 9500 GILMAN DR NO 0214
LA JOLLA, CA 92093

RESEARCH VESSEL NEW HORIZON IMO7723821 (Continued) **1016955047**

Contact country: US
Contact telephone: 858-534-0193
Contact email: DLAIN@UCSD.EDU
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: SCRIPPS INSTITUTION OF OCEANOGRAPHY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: 08/01/1978
Owner/Op end date: Not reported

Owner/operator name: UNIVERSITY OF CALIFORNIA REGENTS
Owner/operator address: 9500 GILMAN DR NO 0214
LA JOLLA, 92093
Owner/operator country: US
Owner/operator telephone: 858-534-0193
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 08/01/1978
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

RESEARCH VESSEL NEW HORIZON IMO7723821 (Continued) **1016955047**

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 131
. Waste name: 131

. Waste code: 133
. Waste name: 133

. Waste code: 134
. Waste name: 134

. Waste code: 135
. Waste name: 135

. Waste code: 151
. Waste name: 151

. Waste code: 172
. Waste name: 172

. Waste code: 181
. Waste name: 181

. Waste code: 211
. Waste name: 211

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

. Waste code: 222
. Waste name: 222

. Waste code: 223
. Waste name: 223

. Waste code: 261
. Waste name: 261

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

RESEARCH VESSEL NEW HORIZON IMO7723821 (Continued) **1016955047**

. Waste code: 351
. Waste name: 351

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

. Waste code: 512
. Waste name: 512

. Waste code: 513
. Waste name: 513

. Waste code: 541
. Waste name: 541

. Waste code: 551
. Waste name: 551

. Waste code: 731
. Waste name: 731

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

RESEARCH VESSEL NEW HORIZON IMO7723821 (Continued) **1016955047**

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U122
. Waste name: FORMALDEHYDE

RESEARCH VESSEL NEW HORIZON IMO7723821 (Continued) **1016955047**

. Waste code: U123
. Waste name: FORMIC ACID (C,T)

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U160
. Waste name: 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T)

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Violation Status: No violations found

A28 **RESEARCH VESSEL NEW HORIZON IMO7723821** **CA HAZNET** **S118237670**
623 SWITZER ST **N/A**
< 1/8 **SAN DIEGO, CA 92101**
1 ft.

Site 28 of 32 in cluster A

Relative: Higher

Actual: 15 ft.

HAZNET:

envid:	S118237670
Year:	2014
GEPAID:	CAR000247544
Contact:	DONALD GARY G LAIN
Telephone:	8585340193
Mailing Name:	Not reported
Mailing Address:	297 ROSECRANS ST
Mailing City,St,Zip:	SAN DIEGO, CA 921060000
Gen County:	San Diego
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Aqueous solution with metals (< restricted levels and (Alkaline solution (pH >= 12.5) with metals))
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2085
Cat Decode:	Aqueous solution with metals (< restricted levels and (Alkaline solution (pH >= 12.5) with metals))
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	San Diego

envid:	S118237670
Year:	2014
GEPAID:	CAR000247544
Contact:	DONALD GARY G LAIN
Telephone:	8585340193
Mailing Name:	Not reported
Mailing Address:	297 ROSECRANS ST
Mailing City,St,Zip:	SAN DIEGO, CA 921060000
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

RESEARCH VESSEL NEW HORIZON IMO7723821 (Continued) **S118237670**

Tons:	5.004
Cat Decode:	Unspecified oil-containing waste
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	San Diego
envid:	S118237670
Year:	2014
GEPAID:	CAR000247544
Contact:	DONALD GARY G LAIN
Telephone:	8585340193
Mailing Name:	Not reported
Mailing Address:	297 ROSECRANS ST
Mailing City,St,Zip:	SAN DIEGO, CA 921060000
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Waste oil and mixed oil
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	2.47
Cat Decode:	Waste oil and mixed oil
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	San Diego

B29 **TENTH AVE MARINE TERMINAL** **CA LDS** **S109287724**
BERTHS 10-1 & 10-2 **N/A**
< 1/8 **SAN DIEGO, CA 92101**
1 ft.

Site 1 of 2 in cluster B

Relative: Higher

LDS:

Actual: 15 ft.

Global Id:	L10004918383
Latitude:	32.70161
Longitude:	-117.1595
Case Type:	Land Disposal Site
Status:	Completed - Case Closed
Status Date:	10/21/2002
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Caseworker:	DTQ
Local Agency:	Not reported
RB Case Number:	9 000000537
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	L10004918383
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

A30 **PORT OF SAN DIEGO-10 AVE MARINE TERMINALS** **CA HAZNET** **S118214247**
623 SWITZER ST **N/A**
< 1/8 **SAN DIEGO, CA 92101**
1 ft.

Site 29 of 32 in cluster A

Relative:
Higher

Actual:
15 ft.

HAZNET:

envid:	S118214247
Year:	2014
GEPAID:	CAC002775854
Contact:	SERGIO CORDOVA
Telephone:	6193791559
Mailing Name:	Not reported
Mailing Address:	PO BOX 181470
Mailing City,St,Zip:	CORONADO, CA 921781470
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	5.6295
Cat Decode:	Unspecified oil-containing waste
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	San Diego

A31 **STEVEDORING SERVICES OF AMER** **CA San Diego Co. HMMD** **S104746933**
656 SWITZER ST **N/A**
< 1/8 **SAN DIEGO, CA 92101**
0.001 mi.
3 ft.

Site 30 of 32 in cluster A

Relative:
Higher

Actual:
15 ft.

SAN DIEGO CO. HMMD:

Facility Id:	110529
Business Type:	6HK26
EPA Id Number:	CAD981695844
APN:	DEH-110529
Last HMMD Inspection:	05/23/2003
Permit Status:	CHNG
Permit Expiration:	02/28/2005
Facility Owner:	STEVEDORING SERVICES
Facility Address:	656 SWITZER ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101-7811
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

A32 **KOVROV VESSEL #L8902292** **CA HAZNET** **S112868220**
656 SWITZER **N/A**
< 1/8 **SAN DIEGO, CA 92101**
0.001 mi.
3 ft. **Site 31 of 32 in cluster A**

Relative:
Higher

Actual:
15 ft.

HAZNET:

envid:	S112868220
Year:	1999
GEPAID:	CAC001134280
Contact:	SOUTH PACIFIC CONTAINER LINE
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	656 SWITZER
Mailing City,St,Zip:	SAN DIEGO, CA 921010000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	15.3831
Cat Decode:	Waste oil and mixed oil
Method Decode:	Recycler
Facility County:	San Diego

envid:	S112868220
Year:	1999
GEPAID:	CAC001134280
Contact:	SOUTH PACIFIC CONTAINER LINE
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	656 SWITZER
Mailing City,St,Zip:	SAN DIEGO, CA 921010000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Recycler
Tons:	16.6800
Cat Decode:	Unspecified aqueous solution
Method Decode:	Recycler
Facility County:	San Diego

envid:	S112868220
Year:	1998
GEPAID:	CAC001134280
Contact:	SOUTH PACIFIC CONTAINER LINE
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	656 SWITZER
Mailing City,St,Zip:	SAN DIEGO, CA 921010000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	33.3600
Cat Decode:	Unspecified oil-containing waste
Method Decode:	Recycler

KOVROV VESSEL #L8902292 (Continued) **S112868220**

Facility County: San Diego

envid: S112868220
Year: 1998
GEPAID: CAC001134280
Contact: SOUTH PACIFIC CONTAINER LINE
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 656 SWITZER
Mailing City,St,Zip: SAN DIEGO, CA 921010000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 62.9670
Cat Decode: Waste oil and mixed oil
Method Decode: Recycler
Facility County: San Diego

envid: S112868220
Year: 1998
GEPAID: CAC001134280
Contact: SOUTH PACIFIC CONTAINER LINE
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 656 SWITZER
Mailing City,St,Zip: SAN DIEGO, CA 921010000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: 12.5100
Cat Decode: Unspecified aqueous solution
Method Decode: Recycler
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
5 additional CA_HAZNET: record(s) in the EDR Site Report.

A33 **STEVEDORING SERVICES OF AMERICA** **CA HAZNET** **S113010590**
656 SWITZER ST **N/A**
< 1/8 **SAN DIEGO, CA 92101**
0.001 mi.
3 ft. **Site 32 of 32 in cluster A**

Relative:
Higher

Actual:
15 ft.

HAZNET:
envid: S113010590
Year: 2005
GEPAID: CAD981695844
Contact: JIM REITER
Telephone: 5624958635
Mailing Name: Not reported
Mailing Address: 656 SWITZER ST
Mailing City,St,Zip: SAN DIEGO, CA 921017811
Gen County: Not reported
TSD EPA ID: CAT080033681

STEVEDORING SERVICES OF AMERICA (Continued) **S113010590**

TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Disposal, Land Fill
Tons:	0.05
Cat Decode:	Other organic solids
Method Decode:	Disposal, Land Fill
Facility County:	San Diego

C34 **MEAL COMPANY** **FINDS** **1009602913**
1750 WATER STREET **N/A**
< 1/8 **SAN DIEGO, CA 92101**
0.001 mi.
5 ft. **Site 1 of 11 in cluster C**

Relative: Higher

Actual: 15 ft.

FINDS:

Registry ID: 110032908245

Environmental Interest/Information System
SPCC

C35 **FORMER PACIFIC MOLASSES SITE** **CA San Diego Co. HMMD** **S104748486**
1750 WATER ST **CA SWEEPS UST** **N/A**
< 1/8 **SAN DIEGO, CA 92101** **CA HIST UST**
0.001 mi.
5 ft. **Site 2 of 11 in cluster C**

Relative: Higher

Actual: 15 ft.

SAN DIEGO CO. HMMD:

Facility Id:	115697
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	DEH-115697
Last HMMD Inspection:	02/09/1988
Permit Status:	INAC
Permit Expiration:	02/09/1988
Facility Owner:	PORT OF SAN DIEGO
Facility Address:	3165 N PACIFIC H
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101-1128
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 115697 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	115697
Tank Type:	SINGLE WALL
Additional Id:	AT1280
Capacity Gallons:	10000
UST Contents:	Not reported

FORMER PACIFIC MOLASSES SITE (Continued) **S104748486**

Other Content Info: SEE FILE FOR CONTENTS
Reg Status: REMOVED
Remove Close Date: 1989-06-06 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SWEEPS UST:
Status: Not reported
Comp Number: 15697
Number: Not reported
Board Of Equalization: 44-022924
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-015697-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: UNKNOWN
STG: WASTE
Content: Not reported
Number Of Tanks: 1

HIST UST:
File Number: 0002F148
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F148.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

B36 **NORTH AMERICAN TERMINAL INC** **RCRA-SQG** **1000818152**
NNW **1090 WATER ST** **CA San Diego Co. HMMD** **CAD049904295**
< 1/8 **SAN DIEGO, CA 92101** **CA SWEEPS UST**
0.008 mi. **CA HAZNET**
43 ft. **Site 2 of 2 in cluster B**

Relative:
Higher

Actual:
15 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	NORTH AMERICAN TERMINAL INC
Facility address:	1090 WATER ST SAN DIEGO, CA 92101
EPA ID:	CAD049904295
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Private
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NORTH AMERICAN CHEMICAL CO
Owner/operator address:	PO BOX 367 TRONA, CA 93592
Owner/operator country:	Not reported
Owner/operator telephone:	(619) 372-2462
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	09/01/1996
Site name:	NORTH AMERICAN TERMINAL INC

NORTH AMERICAN TERMINAL INC (Continued) **1000818152**

Classification: Small Quantity Generator

Date form received by agency: 04/22/1993
Site name: NORTH AMERICAN TERMINAL INC
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 10/17/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

SAN DIEGO CO. HMMD:
Facility Id: 204600
Business Type: 6HK70
EPA Id Number: Not reported
APN: DEH-102462
Last HMMD Inspection: 11/29/2011
Permit Status: OPEN
Permit Expiration: 03/31/2013
Facility Owner: SSA MARINE INC
Facility Address: 1090 WATER ST
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92101
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 204600
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: IN TANK TRUCK
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 204600
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 204600
Update Date: 11/02/2012
Case Number: 8002-05-9

NORTH AMERICAN TERMINAL INC (Continued) **1000818152**

Name: OILS, LUBRICATING
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 204600
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204600
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 204600
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204600
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204600
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204600
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: Not reported
Material Waste: Waste

NORTH AMERICAN TERMINAL INC (Continued) **1000818152**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204600
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 204600
Update Date: 11/02/2012
Inspection Date: 12/17/2004
Violation Code: 6HV0209
Violation: WASTE ONSITE >90/180/270 DAYS
Violation Citation: Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity: ACTIVE

Facility Id: 204600
Update Date: 11/02/2012
Inspection Date: 04/29/2009
Violation Code: 6HV0407
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity: ACTIVE

Facility Id: 204600
Update Date: 11/02/2012
Inspection Date: 04/29/2009
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Facility Id: 102462
Business Type: 6HK68
EPA Id Number: CAD049904295
APN: DEH-102462
Last HMMD Inspection: 11/04/2009
Permit Status: OPEN
Permit Expiration: 03/31/2013
Facility Owner: NORTH AMERICAN CHEMICAL CO
Facility Address: PO BOX 96
Facility City: TRONA
Facility State: CA
Facility Zip: 93592
UST Owner: GARNAC GRAIN CO INC
Handle Regulated Hazmat: Y

NORTH AMERICAN TERMINAL INC (Continued) **1000818152**

Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 102462 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 102462
Tank Type: UNKNOWN
Additional Id: Not reported
Capacity Gallons: 7500
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: 1975-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Active Permits:
Facility Id: 102462
Update Date: 11/02/2012
Case Number: Not reported
Name: MINERAL OIL WITH DIPHENYL AMINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 102462
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 860 UNIVERSAL WASTE CRTS/LAMPS/BATTERIES/ETC
Other Information: EMPTY AEROSOL CANS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 102462
Update Date: 11/02/2012
Case Number: 497-19-8
Name: SODIUM CARBONATE, SODA ASH
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102462
Update Date: 11/02/2012
Case Number: 34590-94-8
Name: LPS PRECISION CLEAN-DIPROPYLENE GLYCOL METHYL ETHER
Other Information: Not reported

NORTH AMERICAN TERMINAL INC (Continued) **1000818152**

Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102462
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 102462
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 102462
Update Date: 11/02/2012
Case Number: 7757-82-6
Name: SODIUM SULFATE; ANHYDROUS (99%)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102462
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 102462
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL: ENGINE, LUBE OIL, GREASE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 102462
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

NORTH AMERICAN TERMINAL INC (Continued) **1000818152**

Facility Id:	102462
Update Date:	11/02/2012
Case Number:	1330-43-4
Name:	SODIU, TETRABORATE(ANHYDROUS)
Other Information:	99%,PYROBOR(DEHYDRATED BO RAX)
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	102462
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	OILY RAGS, GREASE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	102462
Update Date:	11/02/2012
Inspection Date:	01/02/2007
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE

Facility Id:	102462
Update Date:	11/02/2012
Inspection Date:	01/02/2007
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE

SWEEPS UST:

Status:	Active
Comp Number:	2462
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

NORTH AMERICAN TERMINAL INC (Continued) **1000818152**

Status:	Not reported
Comp Number:	2462
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002462-000001
Tank Status:	Not reported
Capacity:	7500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	1

HAZNET:

envid:	1000818152
Year:	2005
GEPAID:	CAD049904295
Contact:	SEAN BATHRICK MGR PORT OPTN
Telephone:	6195441090
Mailing Name:	Not reported
Mailing Address:	1090 WATER ST
Mailing City,St,Zip:	SAN DIEGO, CA 921017820
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	2.91
Cat Decode:	Waste oil and mixed oil
Method Decode:	Recycler
Facility County:	San Diego

envid:	1000818152
Year:	2002
GEPAID:	CAD049904295
Contact:	SEAN BATHRICK MGR PORT OPTN
Telephone:	6195441090
Mailing Name:	Not reported
Mailing Address:	1090 WATER ST
Mailing City,St,Zip:	SAN DIEGO, CA 921017820
Gen County:	Not reported
TSD EPA ID:	CAT080033681
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Recycler
Tons:	0.02
Cat Decode:	Other organic solids
Method Decode:	Recycler
Facility County:	San Diego

envid:	1000818152
Year:	2002
GEPAID:	CAD049904295

NORTH AMERICAN TERMINAL INC (Continued) **1000818152**

Contact:	SEAN BATHRICK MGR PORT OPTN
Telephone:	6195441090
Mailing Name:	Not reported
Mailing Address:	1090 WATER ST
Mailing City,St,Zip:	SAN DIEGO, CA 921017820
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Transfer Station
Tons:	0.02
Cat Decode:	Unspecified organic liquid mixture
Method Decode:	Transfer Station
Facility County:	San Diego

envid:	1000818152
Year:	2002
GEPAID:	CAD049904295
Contact:	SEAN BATHRICK MGR PORT OPTN
Telephone:	6195441090
Mailing Name:	Not reported
Mailing Address:	1090 WATER ST
Mailing City,St,Zip:	SAN DIEGO, CA 921017820
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	0.62
Cat Decode:	Waste oil and mixed oil
Method Decode:	Recycler
Facility County:	San Diego

envid:	1000818152
Year:	2001
GEPAID:	CAD049904295
Contact:	SEAN BATHRICK MGR PORT OPTN
Telephone:	6195441090
Mailing Name:	Not reported
Mailing Address:	1090 WATER ST
Mailing City,St,Zip:	SAN DIEGO, CA 921017820
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Transfer Station
Tons:	0.12
Cat Decode:	Unspecified organic liquid mixture
Method Decode:	Transfer Station
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
25 additional CA_HAZNET: record(s) in the EDR Site Report.

C37 **FREIGHT HANDLERS INC** **CA SAN DIEGO CO. SAM** **S104750828**
ESE **1790 WATER ST** **CA SLIC** **N/A**
< 1/8 **SAN DIEGO, CA 92101** **CA San Diego Co. HMMD**
0.009 mi.
47 ft. **Site 3 of 11 in cluster C**

Relative:
Higher

Actual:
15 ft.

SAN DIEGO CO. SAM:

Case Number:	H25935-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Complaint
Facility Status:	Closed Case
Date:	12/1/1996
Date Began:	Not reported

Case Number:	H25935-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	2/7/1995
Date Began:	7/17/1990

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/01/1996
Global Id:	T0608125302
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H25935-002
Latitude:	32.697445
Longitude:	-117.152319
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/07/1995
Global Id:	T0608195545
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H25935-001
Latitude:	32.697445
Longitude:	-117.152319
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

FREIGHT HANDLERS INC (Continued) **S104750828**

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	125935
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	DEH-125935
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	FREIGHT HANDLERS INC
Facility Address:	1790 WATER ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101-7826
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

D38 **CEMEX CONSTRUCTION MATERIALS PACIFIC LLC** **CA AST** **S110497311**
SSW **1155 TERMINAL** **CA San Diego Co. HMMD** **N/A**
< 1/8 **SAN DIEGO, CA 92101**
0.019 mi.
99 ft. **Site 1 of 2 in cluster D**

Relative:
Higher

Actual:
15 ft.

AST:

Certified Unified Program Agencies:	Not reported
Owner:	Cemex Inc
Total Gallons:	Not reported
CERSID:	10380253
Facility ID:	37-000-204870
Business Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Phone:	619 557 9162
Fax:	Not reported
Mailing Address:	1155 TERMINAL
Mailing Address City:	SAN DIEGO
Mailing Address State:	CA
Mailing Address Zip Code:	92101
Operator Name:	Cemex Construction Materials Pacific, LLC
Operator Phone:	619 557 9162
Owner Phone:	7136506200
Owner Mail Address:	929 Gessner Road , Suite 19000
Owner State:	TX
Owner Zip Code:	77024
Owner Country:	United States
Property Owner Name:	Cemex Inc
Property Owner Phone:	7136506200
Property Owner Mailing Address:	929 Gessner Road , Suite 19000
Property Owner City:	Houston
Property Owner Stat :	TX
Property Owner Zip Code:	77024
Property Owner Country:	United States

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S110497311**

EPAID: CAL000260493

SAN DIEGO CO. HMMD:
Facility Id: 204870
Business Type: 6HK70
EPA Id Number: CAL000260493
APN: 760-018-76-00
Last HMMD Inspection: 11/04/2009
Permit Status: OPEN
Permit Expiration: 06/30/2013
Facility Owner: CEMEX INC
Facility Address: 1155 TERMINAL DR
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92101
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 204870
Update Date: 11/02/2012
Case Number: Not reported
Name: MOBILELUBE HD 85W-140
Other Information: GEAR OIL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 204870
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204870
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: RED DYE DIESEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 204870
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S110497311**

Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 204870
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204870
Update Date: 11/02/2012
Case Number: Not reported
Name: HYDRAULIC OIL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 204870
Update Date: 11/02/2012
Case Number: 65997-15-1
Name: CEMENT
Other Information: PORTLAND CEMENT
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 204870
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204870
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Violations Active Permits:
Facility Id: 204870
Update Date: 11/02/2012
Inspection Date: 09/06/2006
Violation Code: 6HV1004
Violation: HMBP NOT SUBMITTED TO HMD
Violation Citation: Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity: ACTIVE

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S110497311**

Facility Id:	204870
Update Date:	11/02/2012
Inspection Date:	11/04/2009
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE

Facility Id:	204870
Business Type:	6HK70
EPA Id Number:	CAL000260493
APN:	760-018-76-00
Last HMMD Inspection:	11/04/2009
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	CEMEX INC
Facility Address:	1155 TERMINAL DR
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	204870
Update Date:	11/02/2012
Case Number:	Not reported
Name:	MOBILELUBE HD 85W-140
Other Information:	GEAR OIL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	204870
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	204870
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	RED DYE DIESEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S110497311**

Facility Id: 204870
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 204870
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204870
Update Date: 11/02/2012
Case Number: Not reported
Name: HYDRAULIC OIL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 204870
Update Date: 11/02/2012
Case Number: 65997-15-1
Name: CEMENT
Other Information: PORTLAND CEMENT
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 204870
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204870
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Violations Active Permits:
Facility Id: 204870
Update Date: 11/02/2012

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S110497311**

Inspection Date:	09/06/2006
Violation Code:	6HV1004
Violation:	HMBP NOT SUBMITTED TO HMD
Violation Citation:	Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity:	ACTIVE
Facility Id:	204870
Update Date:	11/02/2012
Inspection Date:	11/04/2009
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE

D39 **CEMEX SAN DIEGO CEMENT TERMINAL** **CA AST** **A100345623**
SSW **1155 TERMINAL AVE** **N/A**
< 1/8 **SAN DIEGO, CA**
0.019 mi.
99 ft. **Site 2 of 2 in cluster D**

Relative:
Higher

Actual:
15 ft.

AST:

Certified Unified Program Agencies:	San Diego
Owner:	CEMEX INC
Total Gallons:	1947
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

C40 **NRC ENVIRONMENTAL SVCS INC** **RCRA NonGen / NLR** **1007370134**
SE **1839 WATER ST** **CA HAZNET** **CAR000153064**
< 1/8 **SAN DIEGO, CA 92113**
0.025 mi.
131 ft. **Site 4 of 11 in cluster C**

Relative:
Lower

Actual:
13 ft.

RCRA NonGen / NLR:

Date form received by agency:	04/30/2003
Facility name:	NRC ENVIRONMENTAL SVCS INC
Facility address:	1839 WATER ST SAN DIEGO, CA 92113
EPA ID:	CAR000153064
Mailing address:	3500 ESTUDILLO STREET SAN DIEGO, CA 92110
Contact:	SHELLEY SCALZO
Contact address:	3500 ESTUDILLO STREET SAN DIEGO, CA 92110
Contact country:	US
Contact telephone:	619-235-3324
Contact email:	SRSCALZO@NRCES.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NRC ENV SVCS INC
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2003
Owner/Op end date:	Not reported

Owner/operator name:	PORT OF SAN DIEGO
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1950
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

NRC ENVIRONMENTAL SVCS INC (Continued) **1007370134**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Violation Status: No violations found

HAZNET:
envid: 1007370134
Year: 2005
GEPAID: CAR000153064
Contact: ART COWBURN
Telephone: 6192353324
Mailing Name: Not reported
Mailing Address: 3500 ESTUDILLO STREET
Mailing City,St,Zip: SAN DIEGO, CA 921100000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Transfer Station
Tons: 0.41
Cat Decode: Unspecified aqueous solution
Method Decode: Transfer Station
Facility County: San Diego

envid: 1007370134
Year: 2005
GEPAID: CAR000153064
Contact: ART COWBURN
Telephone: 6192353324
Mailing Name: Not reported
Mailing Address: 3500 ESTUDILLO STREET
Mailing City,St,Zip: SAN DIEGO, CA 921100000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Transfer Station
Tons: 0.08
Cat Decode: Unspecified solvent mixture
Method Decode: Transfer Station
Facility County: San Diego

envid: 1007370134
Year: 2005
GEPAID: CAR000153064
Contact: ART COWBURN
Telephone: 6192353324
Mailing Name: Not reported
Mailing Address: 3500 ESTUDILLO STREET
Mailing City,St,Zip: SAN DIEGO, CA 921100000
Gen County: Not reported

NRC ENVIRONMENTAL SVCS INC (Continued) **1007370134**

TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.13
Cat Decode: Other organic solids
Method Decode: Transfer Station
Facility County: San Diego

envid: 1007370134
Year: 2005
GEPAID: CAR000153064
Contact: ART COWBURN
Telephone: 6192353324
Mailing Name: Not reported
Mailing Address: 3500 ESTUDILLO STREET
Mailing City,St,Zip: SAN DIEGO, CA 921100000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Transfer Station
Tons: 0.05
Cat Decode: Off-specification, aged or surplus organics
Method Decode: Transfer Station
Facility County: San Diego

envid: 1007370134
Year: 2005
GEPAID: CAR000153064
Contact: ART COWBURN
Telephone: 6192353324
Mailing Name: Not reported
Mailing Address: 3500 ESTUDILLO STREET
Mailing City,St,Zip: SAN DIEGO, CA 921100000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: 0.83
Cat Decode: Waste oil and mixed oil
Method Decode: Transfer Station
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
5 additional CA_HAZNET: record(s) in the EDR Site Report.

C41 **CROWLEY MARINE SERVICE INC** **RCRA-SQG** **1004676697**
SE **1843 WATER ST** **CA San Diego Co. HMMD** **CAR000088344**
< 1/8 **SAN DIEGO, CA 92113** **FINDS**
0.026 mi. **CA HAZNET**
138 ft. **Site 5 of 11 in cluster C** **ECHO**

Relative:
Lower

Actual:
13 ft.

RCRA-SQG:

Date form received by agency:	12/13/2000
Facility name:	CROWLEY MARINE SERVICE INC
Facility address:	1843 WATER ST SAN DIEGO, CA 92113
EPA ID:	CAR000088344
Contact:	DAMON MOTE
Contact address:	BERTH 86 SAN PEDRO, CA 90731
Contact country:	US
Contact telephone:	(310) 732-6523
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	PORT OF SAN DIEGO
Owner/operator address:	3165 PACIFIC HWY SAN DIEGO, CA 92101
Owner/operator country:	Not reported
Owner/operator telephone:	(800) 854-2757
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	D001
. Waste name:	IGNITABLE WASTE

Violation Status: No violations found

CROWLEY MARINE SERVICE INC (Continued) **1004676697**

SAN DIEGO CO. HMMD:

Facility Id:	215435
Business Type:	6HK33
EPA Id Number:	CAR000088344
APN:	760-020-12-00
Last HMMD Inspection:	08/17/2011
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	CROWLEY MARINE SERVICES
Facility Address:	300 S HARBOR BLVD
Facility City:	SAN PEDRO
Facility State:	CA
Facility Zip:	90731
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	215435
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY WATER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	215435
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	215435
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WASTE DIESEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	215435
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	DRAINED USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

CROWLEY MARINE SERVICE INC (Continued) **1004676697**

Violations Active Permits:

Facility Id:	215435
Update Date:	11/02/2012
Inspection Date:	08/17/2011
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Facility Id:	215435
Update Date:	11/02/2012
Inspection Date:	08/17/2011
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE

FINDS:

Registry ID: 110012259484

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

HAZNET:

envid:	1004676697
Year:	2014
GEPAID:	CAR000088344
Contact:	HARRY KUMPIS
Telephone:	3107326525
Mailing Name:	Not reported
Mailing Address:	300 S HARBOR BLVD
Mailing City,St,Zip:	SAN PEDRO, CA 907310000
Gen County:	San Diego
TSD EPA ID:	CAD982444481
TSD County:	San Bernardino
Waste Category:	Waste oil and mixed oil
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.133
Cat Decode:	Waste oil and mixed oil
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	San Diego

CROWLEY MARINE SERVICE INC (Continued) **1004676697**

envid: 1004676697
Year: 2014
GEPAID: CAR000088344
Contact: HARRY KUMPIS
Telephone: 3107326525
Mailing Name: Not reported
Mailing Address: 300 S HARBOR BLVD
Mailing City,St,Zip: SAN PEDRO, CA 907310000
Gen County: San Diego
TSD EPA ID: CAD982444481
TSD County: San Bernardino
Waste Category: Other organic solids
Disposal Method: Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 0.15
Cat Decode: Other organic solids
Method Decode: Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Facility County: San Diego

envid: 1004676697
Year: 2014
GEPAID: CAR000088344
Contact: HARRY KUMPIS
Telephone: 3107326525
Mailing Name: Not reported
Mailing Address: 300 S HARBOR BLVD
Mailing City,St,Zip: SAN PEDRO, CA 907310000
Gen County: San Diego
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 22.101
Cat Decode: Unspecified oil-containing waste
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: San Diego

envid: 1004676697
Year: 2013
GEPAID: CAR000088344
Contact: HARRY KUMPIS
Telephone: 3107326525
Mailing Name: Not reported
Mailing Address: 300 S HARBOR BLVD
Mailing City,St,Zip: SAN PEDRO, CA 907310000
Gen County: San Diego
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 5.421
Cat Decode: Not reported
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Not reported

CROWLEY MARINE SERVICE INC (Continued) **1004676697**

envid: 1004676697
Year: 2013
GEPAID: CAR000088344
Contact: HARRY KUMPIS
Telephone: 3107326525
Mailing Name: Not reported
Mailing Address: 300 S HARBOR BLVD
Mailing City,St,Zip: SAN PEDRO, CA 907310000
Gen County: San Diego
TSD EPA ID: CAD982444481
TSD County: San Bernardino
Waste Category: Not reported
Disposal Method: Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 0.325
Cat Decode: Not reported
Method Decode: Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
43 additional CA_HAZNET: record(s) in the EDR Site Report.

ECHO:
Envid: 1004676697
Registry ID: 110012259484
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110012259484

C42 **SAN DIEGO UNIFIED PORT DIST** **CA LUST** **S101302186**
ESE **1875 WATER ST** **CA SAN DIEGO CO. SAM** **N/A**
< 1/8 **SAN DIEGO, CA 92113** **CA SLIC**
0.044 mi. **CA San Diego Co. HMMD**
230 ft. **Site 6 of 11 in cluster C** **CA HIST CORTESE**

Relative:
Lower

Actual:
11 ft.

LUST:
Region: STATE
Global Id: T0607303164
Latitude: 32.6966199
Longitude: -117.1506817
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 12/05/1996
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT921
LOC Case Number: H24706-001
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607303164
Status: Completed - Case Closed
Status Date: 12/05/1996

Global Id: T0607303164

SAN DIEGO UNIFIED PORT DIST (Continued) **S101302186**

Status: Open - Case Begin Date
Status Date: 01/01/1974

Regulatory Activities:
Global Id: T0607303164
Action Type: Other
Date: 02/23/1988
Action: Leak Reported

Global Id: T0607303164
Action Type: Other
Date: 01/01/1974
Action: Leak Stopped

Global Id: T0607303164
Action Type: Other
Date: 01/01/1974
Action: Leak Began

Global Id: T0607303164
Action Type: ENFORCEMENT
Date: 03/01/1988
Action: Notice of Responsibility

Global Id: T0607303164
Action Type: Other
Date: 01/01/1974
Action: Leak Discovery

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT921
Local Case: H24706-001
Substance: Diesel
Qty Leaked: 0
Abate Method: No Action Required - incident is minor, requiring no remedial action
Local Agency: San Diego
How Found: Other Means
How Stopped: Not reported
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 02/23/1988
Date Stopped: 01/01/1974
Confirm Date: 11/02/1987
Submit Workplan: Not reported
Prelim Assess: 03/10/1988
Desc Pollution: Not reported
Remed Plan: 05/26/1992
Remed Action: 11/5/92
Began Monitor: Not reported
Release Date: 03/01/1988
Enforce Date: Not reported

SAN DIEGO UNIFIED PORT DIST (Continued) **S101302186**

Closed Date: 12/5/96
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: 7.0'
Beneficial Use: NBNB/E
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Case Number: H24706-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 12/5/1996
Date Began: 1/1/1974

Case Number: H24706-002
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Complaint
Facility Status: Preliminary Assessment
Date: 12/4/1996
Date Began: 12/4/1996

SLIC:
Region: STATE
Facility Status: **Open - Site Assessment**
Status Date: 07/06/2015
Global Id: T0608133034
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number: H24706-002
Latitude: 32.6963974695197
Longitude: -117.150338335968
Case Type: Cleanup Program Site
Case Worker: SAM
Local Agency: Not reported
RB Case Number: 2090070
File Location: Local Agency
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Benzene, Diesel, Ethylbenzene, Gasoline, Heating Oil / Fuel Oil, Toluene, Xylene
Site History: Evidence of a hazardous substance release was reported to the County of San Diego, Department of Environmental Health (DEH), Site Assessment and Mitigation Program (SAM). DEH has referred this case to the Water Board for follow up. The property owner is the Port of San Diego. The suspected source is a pipeline and the amount released was unknown. The Port currently is preparing a report summarizing the existing data for the site.

SAN DIEGO UNIFIED PORT DIST (Continued) **S101302186**

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	124706
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	DEH-124706
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	SAN DIEGO UNIFIED PORT DIST
Facility Address:	P O BOX 488
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92112-0488
UST Owner:	SAN DIEGO UNIFIED PORT DIST
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 124706 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	124706
Tank Type:	UNKNOWN
Additional Id:	AT2659
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1992-08-24 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 124706 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	124706
Tank Type:	UNKNOWN
Additional Id:	AT2659
Capacity Gallons:	7500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1992-08-24 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING

SAN DIEGO UNIFIED PORT DIST (Continued) **S101302186**

ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 124706 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	124706
Tank Type:	UNKNOWN
Additional Id:	AT2659
Capacity Gallons:	7500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1992-08-24 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 124706 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	124706
Tank Type:	UNKNOWN
Additional Id:	AT2659
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1992-08-24 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT921

C43 **SANTA FE RAILWAY** **CA LUST S100725175**
ESE **1342 CROSBY ST** **CA SWEEPS UST N/A**
< 1/8 **SAN DIEGO, CA 92113**
0.048 mi.
252 ft. **Site 7 of 11 in cluster C**

Relative:
Higher

Actual:
15 ft.

LUST REG 9:

Region:	9
Status:	Remedial action (cleanup) Underway
Case Number:	9UT2495
Local Case:	H00076-003
Substance:	Regular Gasoline
Qty Leaked:	0
Abate Method:	EDIT

SANTA FE RAILWAY (Continued) **S100725175**

Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 06/03/1993
Date Stopped: 03/15/1993
Confirm Date: 03/15/1993
Submit Workplan: 6/28/93
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 3/15/93
Began Monitor: Not reported
Release Date: 06/28/1993
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: 12'
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 76
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 76
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported

SANTA FE RAILWAY (Continued) **S100725175**

SWRCB Tank Id:	37-000-000076-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	3
Status:	Not reported
Comp Number:	76
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-000076-000002
Tank Status:	Not reported
Capacity:	1200
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	76
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-000076-000003
Tank Status:	Not reported
Capacity:	1200
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

C44 **FIRE RESCUE- FIRE STATION #07** **CA LUST** **S101301972**
ESE **944 CROSBY ST** **CA SLIC** **N/A**
< 1/8 **SAN DIEGO, CA 92113** **CA San Diego Co. HMMD**
0.048 mi. **CA HIST CORTESE**
252 ft. **Site 8 of 11 in cluster C**

Relative:
Higher

Actual:
15 ft.

LUST:

Region:	STATE
Global Id:	T0607300690
Latitude:	32.7012045962709
Longitude:	-117.144683518453
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/12/2004
Lead Agency:	SAN DIEGO COUNTY LOP

FIRE RESCUE- FIRE STATION #07 (Continued) **S101301972**

Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1910
LOC Case Number:	H21195-002
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300690
Status:	Completed - Case Closed
Status Date:	02/12/2004

Global Id:	T0607300690
Status:	Open - Case Begin Date
Status Date:	01/29/1991

Regulatory Activities:

Global Id:	T0607300690
Action Type:	Other
Date:	01/29/1991
Action:	Leak Stopped

Global Id:	T0607300690
Action Type:	Other
Date:	01/29/1991
Action:	Leak Began

Global Id:	T0607300690
Action Type:	ENFORCEMENT
Date:	02/05/1991
Action:	Notice of Responsibility

Global Id:	T0607300690
Action Type:	Other
Date:	01/29/1991
Action:	Leak Discovery

Global Id:	T0607300690
Action Type:	Other
Date:	01/29/1991
Action:	Leak Reported

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT1910
Local Case:	H21195-002
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Other Means

FIRE RESCUE- FIRE STATION #07 (Continued) **S101301972**

How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 01/29/1991
Date Stopped: 01/29/1991
Confirm Date: 01/29/1991
Submit Workplan: 2/4/91
Prelim Assess: 02/06/1991
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 01/29/1991
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 06/27/1989
Global Id: T0608146218
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H21195-001
Latitude: 32.7010415664096
Longitude: -117.144362926483
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:
Facility Id: 121195
Business Type: 6HK23
EPA Id Number: CAL000290022
APN: 538-250-16-00
Last HMMD Inspection: 03/28/2012
Permit Status: OPEN

FIRE RESCUE- FIRE STATION #07 (Continued) **S101301972**

Permit Expiration:	06/30/2013
Facility Owner:	CITY OF SAN DIEGO
Facility Address:	3870 KEARNY VILLA RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92123-1702
UST Owner:	CITY OF SAN DIEGO
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121195 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121195
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	280
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1991-01-31 00:00:00
Year Installed:	1957-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 121195 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	121195
Tank Type:	DOUBLE WALL
Additional Id:	NT1478 /RT2446
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1990-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Active Permits:

Facility Id:	121195
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL
Other Information:	UNDERGROUND TANK 121195 T002; AST
Material Waste:	Material
Hazardous Categories 1:	FIRE

FIRE RESCUE- FIRE STATION #07 (Continued) **S101301972**

Hazardous Categories 2: Not reported

Facility Id: 121195
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 121195
Update Date: 11/02/2012
Inspection Date: 03/24/2004
Violation Code: 6HV3262
Violation: SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation: Secondary containment piping obstructed preventing drainage to sump. 2632
Activity: ACTIVE

Facility Id: 121195
Update Date: 11/02/2012
Inspection Date: 03/28/2006
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Facility Id: 121195
Update Date: 11/02/2012
Inspection Date: 03/23/2010
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Facility Id: 121195
Update Date: 11/02/2012
Inspection Date: 03/28/2011
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Facility Id: 121195
Update Date: 11/02/2012
Inspection Date: 03/24/2004
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Facility Id: 121195
Update Date: 11/02/2012

FIRE RESCUE- FIRE STATION #07 (Continued) **S101301972**

Inspection Date: 03/26/2003
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1910

C45 **TUNA CLIPPER** **CA LUST S105036552**
ESE **1444 CROSBY ST** **CA HIST UST N/A**
< 1/8 **SAN DIEGO, CA 92101**
0.048 mi.
252 ft. **Site 9 of 11 in cluster C**

Relative: Higher

Actual: 15 ft.

HIST UST:
File Number: 0002F450
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F450.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

C46 **TUNA CLIPPER** **CA LUST U001572999**
ESE **1444 CROSBY** **CA SAN DIEGO CO. SAM N/A**
< 1/8 **SAN DIEGO, CA 92101** **CA SLIC**
0.048 mi. **CA SWEEPS UST**
252 ft. **Site 10 of 11 in cluster C** **CA HIST CORTESE**

Relative: Higher

Actual: 15 ft.

LUST:
Region: STATE
Global Id: T0607301052
Latitude: 32.696166137286
Longitude: -117.149212360382
Case Type: LUST Cleanup Site

TUNA CLIPPER (Continued) **U001572999**

Status:	Completed - Case Closed
Status Date:	03/03/1997
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2286
LOC Case Number:	H05633-002
File Location:	Local Agency
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607301052
Status:	Completed - Case Closed
Status Date:	03/03/1997

Global Id:	T0607301052
Status:	Open - Case Begin Date
Status Date:	08/11/1992

Regulatory Activities:

Global Id:	T0607301052
Action Type:	ENFORCEMENT
Date:	09/21/1992
Action:	Notice of Responsibility

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT2286
Local Case:	H05633-002
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	EDFP
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	08/11/1992
Date Stopped:	08/11/1992
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	11/18/1992
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	08/11/1992
Enforce Date:	Not reported
Closed Date:	3/3/97

TUNA CLIPPER (Continued) **U001572999**

Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: 6'
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 1C
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Case Number: H05633-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 3/3/1997
Date Began: 4/6/1992

Case Number: H05633-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 3/3/1997
Date Began: 4/6/1992

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 03/03/1997
Global Id: T0608178516
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H05633-001
Latitude: 32.6962022525548
Longitude: -117.148976325989
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:
Status: Active
Comp Number: 5633
Number: 9
Board Of Equalization: 44-022254
Referral Date: Not reported
Action Date: 06-26-92

TUNA CLIPPER (Continued) **U001572999**

Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005633-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 1

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2286

C47 **SANTA FE INTERMODAL** **CA LUST S101301969**
ESE **1342 CROSBY ST** **CA SLIC N/A**
< 1/8 **SAN DIEGO, CA 92113** **CA San Diego Co. HMMD**
0.048 mi. **CA CHMIRS**
252 ft. **Site 11 of 11 in cluster C** **CA HIST CORTESE**
CA WDS

Relative:
Higher

Actual:
15 ft.

LUST:
Region: STATE
Global Id: T0607301247
Latitude: 32.698007997367
Longitude: -117.148268222809
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 06/20/2008
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: CF
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT2495
LOC Case Number: H00076-003
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0607301247
Contact Type: Local Agency Caseworker
Contact Name: CAROL FENNER
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: carol.fenner@sdcounty.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0607301247
Status: Completed - Case Closed

SANTA FE INTERMODAL (Continued) **S101301969**

Status Date: 06/20/2008

Global Id: T0607301247
Status: Open - Case Begin Date
Status Date: 03/15/1993

Global Id: T0607301247
Status: Open - Site Assessment
Status Date: 03/15/1993

Regulatory Activities:
Global Id: T0607301247
Action Type: Other
Date: 03/15/1993
Action: Leak Stopped

Global Id: T0607301247
Action Type: Other
Date: 03/15/1993
Action: Leak Began

Global Id: T0607301247
Action Type: ENFORCEMENT
Date: 06/26/1993
Action: Notice of Responsibility

Global Id: T0607301247
Action Type: Other
Date: 03/15/1993
Action: Leak Discovery

Global Id: T0607301247
Action Type: Other
Date: 03/15/1993
Action: Leak Reported

Region: STATE
Global Id: T0607300700
Latitude: 32.698262785
Longitude: -117.148199871
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/20/2015
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: CF
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT1920
LOC Case Number: H00076-002
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Benzene, Gasoline
Site History: Two underground storage tanks (USTs) and associated piping at the BNSF Railyard, an automotive distribution facility in San Diego, California, were removed on February 15, 1991. The single-walled tanks were located within a walled enclosure in the northeastern corner of the railyard. Both tanks apparently had been installed

SANTA FE INTERMODAL (Continued) **S101301969**

prior to 1960, when the property was under previous ownership. Analytical results for the soil samples collected during the removal inspection indicated a maximum petroleum hydrocarbon concentration of 7,900 milligrams per kilogram (mg/kg). DEH Case #H00076-002 was opened on February 15, 1991. A third UST was discovered east of a newly-expanded main office (Administration Building) and removed under #H00076-002 on September 1, 1993. Three abandoned, sand-filled, USTs were discovered approximately 40 feet north of the BNSF Yard Office at 1342 Crosby Street (now Cesar Chavez Parkway) in early 1993 during excavation of petroleum hydrocarbon-impacted soil. Soil impacts by releases from the tanks were initially addressed under DEH Case #H00076-003. However, #H00076-003 was administratively closed on June 20, 2008, and investigation continued under #H00076-002. Initial investigation of soil and groundwater beneath the walled enclosure in the northeastern corner of the site was performed from 1989 to 1990. The investigation included the drilling and sampling of seven borings and the installation of three groundwater monitoring wells. Free product was observed in one monitoring well and dissolved gasoline impacts were reported for each well sample. During expansion of the main office building in May and June 1993, a total of 1,200 cubic yards of impacted soil was removed. Excavation proceeded from the ground surface to the water table at a depth of 15 to 17 feet. Excavation of impacted soil was subsequently performed within the walled enclosure that had housed two former USTs. The soil removal occurred in July 1998 following the demolition of above-ground fuel storage tank foundations located west of the walled enclosure in the northeast portion of the site. Approximately 698 tons of diesel-impacted soil were removed to a depth of three feet below ground surface (bgs). The impacted soil was reused at an off-site location in the County. The consultant (TRC) calculated the volume of gasoline and diesel-impacted soil remaining in place at the site to be 92,000 cubic yards. The original network of three groundwater monitoring wells at the site was expanded in May 1991 (4), July 1992 (4), June 2005 (4), June 2007 (4), and in June 2009 (2). A monitoring well installed for a prior onsite investigation was added as a down-gradient well to the network in 2007. Quarterly groundwater monitoring and sampling of site wells was performed from 1992 to mid-1996. A semi-annual monitoring and sampling schedule was maintained from mid-1996 through February 2011. Free product was detected periodically as a sheen or as a measureable thickness in 11 of the 22 site monitoring wells since 1991. Dissolved gasoline and its constituents [primarily benzene, toluene, ethylbenzene, and xylenes (BTEX)] were detected in the groundwater samples collected from wells located both up-gradient and down-gradient of the former UST areas. Chlorinated hydrocarbons, including 1,1-dichloroethene, tetrachloroethene, trichlorothene, and vinyl chloride, have been periodically detected at concentrations exceeding their respective Maximum Contaminant Levels (MCLs) in groundwater samples collected from wells in the northeastern portion of the site. Groundwater grab samples were collected from two direct-push borings advanced up-gradient of the northeastern corner of the site in June 2007. Analysis of the samples confirmed that dissolved-phase BTEX and vinyl chloride were present in groundwater. TRC interpreted the results as indicating that up-gradient, off-site sources contributed to the dissolved contaminant plume known to have originated at the railyard. The highest concentrations of dissolved-phase constituents down-gradient of the former BNSF USTs were detected in wells located

SANTA FE INTERMODAL (Continued) **S101301969**

adjacent to pipelines underlying the railyard, suggesting that additional, onsite sources were also contributing to the plume. Two, non-BNSF, off-site wells east and up-gradient of the railyard property were also sampled to facilitate delineation of the dissolved plume. Following receipt of groundwater analytical results for the January 2014 sampling round, TRC prepared trend analyses for dissolved benzene that indicated decreasing trends at the plume boundaries and stable trends in the plume interior. TRC estimated the time for benzene concentrations to fall below its MCL (1 microgram per liter) as 4 to 14 years. A passive skimmer system that had been installed at the site to recover free product beneath the site was replaced in August 1998 with a total fluids extraction and remediation system through the second half of 2000. Hand bailing and a passive skimmer were subsequently used to recover product. Oil absorbent socks were later installed in seven monitoring wells. The total volume of product removed by these efforts was approximately 805 gallons. Since the end of 2008, free product has not been detected in nine of the 11 monitoring wells in which it historically occurred. Free product was measured in one monitoring well during the final groundwater monitoring round in January 2014. A Corrective Action Plan (CAP) was received by DEH on April 1, 2011, and conditionally approved on April 21 2011. However, final approval of the CAP was deferred pending assessment of human health risk to employees occupying two onsite buildings (i.e., the Administration Building and Yard Office). The buildings overlie groundwater impacted by BTEX and chlorinated hydrocarbons. A soil gas survey was performed around the Administration Building and Yard Office in February 2009. Analysis of soil gas samples collected from seven locations indicated that BTEX and chlorinated hydrocarbons were detected in the vadose zone around the building peripheries. Analytical results for indoor air samples indicated that air quality within the buildings was similar to that for ambient air samples collected outdoors and upwind of the buildings and at several off-site locations. Although human health risks calculated from the analytical data were in the range of 1 x 10-6, TRC concluded that both onsite and off-site ambient air conditions were attributable to industrial and commercial facilities in the area rather than to intrusion of subsurface soil gas. Based on the nature of ambient air conditions at the site and its vicinity, decreasing or stable benzene concentrations in groundwater, and the removal of petroleum hydrocarbon-impacted soil at the BNSF railyard, DEH issued final concurrence for the CAPs recommendation of remediation by natural attenuation on July 18, 2014. TRC has recommended no further action and case closure. DEH concurs with these recommendations.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607300700
Contact Type:	Local Agency Caseworker
Contact Name:	CAROL FENNER
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	carol.fenner@sdcounty.ca.gov
Phone Number:	Not reported

SANTA FE INTERMODAL (Continued) **S101301969**

Status History:

Global Id:	T0607300700
Status:	Completed - Case Closed
Status Date:	01/20/2015
Global Id:	T0607300700
Status:	Open - Case Begin Date
Status Date:	02/15/1991
Global Id:	T0607300700
Status:	Open - Site Assessment
Status Date:	02/02/1993

Regulatory Activities:

Global Id:	T0607300700
Action Type:	RESPONSE
Date:	07/31/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607300700
Action Type:	RESPONSE
Date:	04/01/2011
Action:	CAP/RAP - Feasibility Study Report - Regulator Responded
Global Id:	T0607300700
Action Type:	RESPONSE
Date:	04/30/2009
Action:	Site Assessment Report - Regulator Responded
Global Id:	T0607300700
Action Type:	RESPONSE
Date:	02/07/2012
Action:	Other Workplan - Regulator Responded
Global Id:	T0607300700
Action Type:	RESPONSE
Date:	10/22/2013
Action:	Soil Vapor Intrusion Investigation Report - Regulator Responded
Global Id:	T0607300700
Action Type:	RESPONSE
Date:	08/19/2013
Action:	Soil Vapor Intrusion Investigation Report - Regulator Responded
Global Id:	T0607300700
Action Type:	RESPONSE
Date:	01/31/2014
Action:	Monitoring Report - Semi-Annually - Regulator Responded
Global Id:	T0607300700
Action Type:	RESPONSE
Date:	12/18/2013
Action:	Other Workplan - Regulator Responded
Global Id:	T0607300700
Action Type:	RESPONSE

SANTA FE INTERMODAL (Continued) **S101301969**

Date: 11/18/2014
Action: Correspondence - Regulator Responded

Global Id: T0607300700
Action Type: RESPONSE
Date: 04/30/2014
Action: Other Report / Document - Regulator Responded

Global Id: T0607300700
Action Type: REMEDIATION
Date: 08/10/1998
Action: Free Product Removal

Global Id: T0607300700
Action Type: ENFORCEMENT
Date: 12/03/2013
Action: Letter - Notice

Global Id: T0607300700
Action Type: ENFORCEMENT
Date: 07/23/2009
Action: Letter - Notice

Global Id: T0607300700
Action Type: Other
Date: 02/15/1991
Action: Leak Stopped

Global Id: T0607300700
Action Type: RESPONSE
Date: 01/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607300700
Action Type: ENFORCEMENT
Date: 10/17/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300700
Action Type: RESPONSE
Date: 12/31/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607300700
Action Type: RESPONSE
Date: 08/04/2009
Action: Correspondence

Global Id: T0607300700
Action Type: ENFORCEMENT
Date: 07/17/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300700
Action Type: ENFORCEMENT
Date: 01/20/2015
Action: Closure/No Further Action Letter

SANTA FE INTERMODAL (Continued) **S101301969**

Global Id: T0607300700
Action Type: Other
Date: 02/15/1991
Action: Leak Began

Global Id: T0607300700
Action Type: RESPONSE
Date: 07/31/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607300700
Action Type: RESPONSE
Date: 04/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607300700
Action Type: RESPONSE
Date: 07/31/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607300700
Action Type: ENFORCEMENT
Date: 10/21/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300700
Action Type: ENFORCEMENT
Date: 10/15/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300700
Action Type: RESPONSE
Date: 01/31/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607300700
Action Type: RESPONSE
Date: 11/22/2011
Action: Risk Assessment Report

Global Id: T0607300700
Action Type: ENFORCEMENT
Date: 02/25/1991
Action: Notice of Responsibility

Global Id: T0607300700
Action Type: ENFORCEMENT
Date: 07/25/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300700
Action Type: Other
Date: 02/15/1991
Action: Leak Discovery

Global Id: T0607300700
Action Type: Other

SANTA FE INTERMODAL (Continued) **S101301969**

Date: 02/15/1991
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Remedial action (cleanup) Underway
Case Number: 9UT1920
Local Case: H00076-002
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: EDFP
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 02/15/1991
Date Stopped: 02/15/1991
Confirm Date: 02/25/1991
Submit Workplan: 2/25/91
Prelim Assess: 02/25/1991
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 2/25/91
Began Monitor: Not reported
Release Date: 02/15/1991
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 10/17/2008
Global Id: T0608114213
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H00076-001
Latitude: 32.6983330275535
Longitude: -117.148332595825
Case Type: Cleanup Program Site
Case Worker: CF
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported

SANTA FE INTERMODAL (Continued) **S101301969**

File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:
Facility Id: 100076
Business Type: 6HK52
EPA Id Number: CAD981460124
APN: 538-840-04-00
Last HMMD Inspection: 06/21/2011
Permit Status: OPEN
Permit Expiration: 11/30/2012
Facility Owner: BNSF RAILWAY COMPANY
Facility Address: 740 E CARNEGIE DR
Facility City: SAN BERNARDINO
Facility State: CA
Facility Zip: 92408-
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 100076 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 100076
Tank Type: UNKNOWN
Additional Id: AT2154
Capacity Gallons: 1000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1991-02-19 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100076 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 100076
Tank Type: UNKNOWN
Additional Id: AT2154
Capacity Gallons: 1200
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1991-02-19 00:00:00
Year Installed: Not reported

SANTA FE INTERMODAL (Continued) **S101301969**

Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100076 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 100076
Tank Type: UNKNOWN
Additional Id: AT2154
Capacity Gallons: 1200
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1991-02-19 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100076 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 100076
Tank Type: UNKNOWN
Additional Id: AT2883
Capacity Gallons: 6000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1993-03-15 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100076 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 100076
Tank Type: UNKNOWN
Additional Id: AT2883
Capacity Gallons: 6000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1993-03-15 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SANTA FE INTERMODAL (Continued) **S101301969**

UST Name:	UNDERGROUND TANK 100076 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	100076
Tank Type:	UNKNOWN
Additional Id:	AT2883
Capacity Gallons:	3000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1993-03-15 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 100076 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	100076
Tank Type:	UNKNOWN
Additional Id:	AT2992
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1993-01-09 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Active Permits:

Facility Id:	100076
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	FUSEES
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	100076
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	100076
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS

SANTA FE INTERMODAL (Continued) **S101301969**

Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100076
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 100076
Update Date: 11/02/2012
Case Number: MIXTURE
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: GROUNDWATER TREATMENT SYST RECOV FLUID/GAS, H20, OIL BENZENE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100076
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: ONE OIL & WATER SEPARATOR
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100076
Update Date: 11/02/2012
Case Number: MIXTURE
Name: WASTE 444 USED BATTERIES
Other Information: USED LEAD ACID BATTERIES
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Facility Id: 100076
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: MAINTENANCE SECTION
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100076
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: WASTE AEROSOLS
Material Waste: Waste
Hazardous Categories 1: Not reported

SANTA FE INTERMODAL (Continued) **S101301969**

Hazardous Categories 2: Not reported

Facility Id: 100076
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES/ALKALINE
Other Information: LANTERN BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100076
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 100076
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: PETROLEUM OILS
Other Information: OILS (LUBE, JOURNAL, HYDRAULIC, MOTOR, TRANSMISSION)
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 100076
Update Date: 11/02/2012
Inspection Date: 10/25/2007
Violation Code: 6HV0149
Violation: NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation: Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)
Activity: ACTIVE

Facility Id: 100076
Update Date: 11/02/2012
Inspection Date: 06/21/2011
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 100076
Update Date: 11/02/2012
Inspection Date: 01/12/2004
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

SANTA FE INTERMODAL (Continued) **S101301969**

Facility Id:	100076
Update Date:	11/02/2012
Inspection Date:	06/21/2011
Violation Code:	6HV0215
Violation:	OIL FILTERS IMPROPERLY MANAGED
Violation Citation:	Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity:	ACTIVE

Facility Id:	100076
Update Date:	11/02/2012
Inspection Date:	10/25/2007
Violation Code:	6HV0147
Violation:	UW RECORDS NOT KEPT ONSITE FOR 3 YEARS
Violation Citation:	Failed to keep universal waste record for 3 years for offsite shipment. SQH:66273.19(b)&(c)(2); LQH:66273.39(b)&(c)(2)
Activity:	ACTIVE

Facility Id:	100076
Update Date:	11/02/2012
Inspection Date:	12/27/2005
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

Facility Id:	100076
Update Date:	11/02/2012
Inspection Date:	10/25/2007
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

CHMIRS:

OES Incident Number:	2-5318
OES notification:	10/01/2002
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported

SANTA FE INTERMODAL (Continued) **S101301969**

Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	San Diego Co Coroner
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	BNSF RR
Incident Date:	10/1/200212:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Rail Road
E Date:	Not reported
Substance:	N/A
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	1
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A truck driver was found deceased on rail Rd property. no Foul play Evident. Incident under investigation by San Diego PD.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1920

SANTA FE INTERMODAL (Continued) **S101301969**

Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2495

WDS:
Facility ID: San Diego 37I012999
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 9
Facility Telephone: Not reported
Facility Contact: Not reported
Agency Name: BURLINGTON NORTHERN & SANTA FE
Agency Address: 740 E. CARNEGIE DR.
Agency City,St,Zip: SAN BERNARDINO 92408
Agency Contact: MICK HARDEN
Agency Telephone: 9043864081
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

48
NNW
1/8-1/4
0.163 mi.
859 ft.

10TH AVENUE MARINE TERMINAL
920 GULL ST
SAN DIEGO, CA 92101

CA UST **U003789084**
N/A

Relative:
Higher

Actual:
15 ft.

UST:

Facility ID:	H02810
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.70229
Longitude:	-117.15632

49
NW
1/8-1/4
0.184 mi.
970 ft.

MOUTH OF SWITZER CREEK
0 WATER STREET
SAN DIEGO, CA 92101

CA SLIC **S118504897**
N/A

Relative:
Lower

Actual:
11 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	05/05/2016
Global Id:	T10000008874
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	Not reported
Latitude:	32.7019
Longitude:	-117.158
Case Type:	Cleanup Program Site
Case Worker:	UNA
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected:	Sediments, Surface water, Under Investigation
Potential Contaminants of Concern:	Polychlorinated biphenyls (PCBs), Chlordane, Chromium, Copper, Lead, Mercury (elemental), Other Metal, Polynuclear aromatic hydrocarbons (PAHs)
Site History:	Contaminants found at this location. Upstream sampling is needed.

Click here to access the California GeoTracker records for this facility:

50
North
1/8-1/4
0.201 mi.
1062 ft.

G & S ENGINEERING
1200 HARBOR DR
NATIONAL CITY, CA 91950

CA LUST **S106874842**
CA SAN DIEGO CO. SAM **N/A**

Relative:
Higher

Actual:
15 ft.

LUST:

Region:	STATE
Global Id:	T06019762982
Latitude:	32.6695452108008
Longitude:	-117.113699913025
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/15/2012
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	EP
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported

G & S ENGINEERING (Continued) **S106874842**

LOC Case Number: H39643-001
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: Gasoline
Site History: During October 1973, four-4000 gallon USTs used for the storage of gasoline (3 tanks), thinner (1 tank), and one 550 gallon used oil UST were reportedly removed from an unidentified area of the subject site according to San Diego Fire Department records. EnvirOmega Consultants (EOC) observations of on-site ground surface depressions and cracked concrete strongly suggests the USTs were located in the center-east area of the site. On September 15, 2003, SECOR conducted a Phase I Environmental Site Assessment (ESA) on the subject property and during October 2003 conducted a limited Phase II ESA. The result of these assessments led to the discovery of soil and groundwater hydrocarbon contamination in the area of the former location of the USTs. On November 3, 2003, the property owner (Helen Grant), submitted a UST Unauthorized Release (Leak) Contamination Site Report to the Department of Environmental Health (DEH) and DEH opened Unauthorized Release Case H39643-001 for the site. TPH as gasoline (TPHg) of up to 7300 milligrams per kilogram (mg/kg) and TPH as diesel (TPHd) of up to 350 mg/kg were detected in the area of the former location of the USTs. During October and November 2006, EOC, in conjunction with two excavation contractors, completed Interim Remedial Activities (IRA) for the site. The IRA consisted of the removal of approximately 770 cubic yards (1066.01 tons) of petroleum hydrocarbon contaminated soil from the site, the collection and analysis of confirmation soil samples from the resulting excavation, the backfilling of the excavation, and the submittal of an IRA Report dated March 31, 2007. Contaminated soil was removed from the site to the extent practical. The proximity of buildings, a fence, a sidewalk, and Harbor Drive to the remedial excavation limited the removal of soil in several areas on site. Consequently, some contaminated soil remained on the site, necessitating the completion of additional assessment activities to include soil and groundwater monitoring/sampling. Between 2007 and 2010, additional investigations were conducted to define the extent of hydrocarbon impacts. Maximum documented TPHg concentration was 210 mg/kg. Maximum TPHd and benzene concentrations were 31 mg/kg to 0.094 mg/kg, respectively. All fuel oxygenate concentrations were below laboratory detection limits. According to the consultant, approximately 400 to 500 cubic yards of impacted soil remain on site. The site is located in an area that has been designated as having no beneficial groundwater uses. Per the consultant, groundwater ranges to depths of 7.45 to 10.20 feet. On September 8, 2008 and March 31, 2009, the consultant estimated the general direction of groundwater flow to the east with hydraulic gradients of approximately 0.002 and 0.0008 foot per foot, respectively. During the January 25, 2010 groundwater monitoring/sampling event, the estimated direction of groundwater flow was to the northwest at a hydraulic gradient of 0.0004 foot per foot. The consultant believes this shift of groundwater flow was due to possible tidal influence. To verify hydrocarbon impacts to groundwater, four groundwater monitoring wells were installed on September 3, 2008. No Liquid Phase Hydrocarbons were observed. The maximum TPHg concentrations was 940 micrograms per liter (ug/l) and the maximum benzene concentrations was 63 ug/l. TPHd, ETBE, and TAME concentrations were below laboratory detection limits. Only three groundwater monitoring/sampling events were completed on-site

G & S ENGINEERING (Continued) **S106874842**

commencing on September 8, 2008 and concluding on January 25, 2010, with no regularly scheduled quarterly or semi-annual monitoring program. The consultant concludes that the delineation of the horizontal and vertical extent of petroleum hydrocarbon impacts to the soil and groundwater at the site have been completed to the extent practical. The consultant also concludes that remediation by natural attenuation is the preferred method for site remediation. In addition, the consultant concludes public health and surface waters are not threatened by the petroleum hydrocarbon contamination remaining in the soil and groundwater at the site. The consultant recommends closure of this case and DEH concurs with their recommendation.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T06019762982
Contact Type:	Local Agency Caseworker
Contact Name:	ED PAREDES
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	SAN DIEGO
Email:	ed.paredes@sdcounty.ca.gov
Phone Number:	8585056806

Status History:

Global Id:	T06019762982
Status:	Completed - Case Closed
Status Date:	03/15/2012
Global Id:	T06019762982
Status:	Open - Case Begin Date
Status Date:	09/15/2003
Global Id:	T06019762982
Status:	Open - Site Assessment
Status Date:	09/15/2003

Regulatory Activities:

Global Id:	T06019762982
Action Type:	RESPONSE
Date:	03/31/2010
Action:	CAP/RAP - Other Report - Regulator Responded
Global Id:	T06019762982
Action Type:	RESPONSE
Date:	01/30/2010
Action:	Monitoring Report - Quarterly
Global Id:	T06019762982
Action Type:	Other
Date:	09/01/1961
Action:	Leak Stopped
Global Id:	T06019762982
Action Type:	ENFORCEMENT
Date:	08/06/2009

G & S ENGINEERING (Continued) **S106874842**

Action: Letter - Notice

Global Id: T06019762982
Action Type: ENFORCEMENT
Date: 03/15/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T06019762982
Action Type: ENFORCEMENT
Date: 03/15/2012
Action: Closure/No Further Action Letter

Global Id: T06019762982
Action Type: Other
Date: 09/01/1961
Action: Leak Began

Global Id: T06019762982
Action Type: ENFORCEMENT
Date: 11/04/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T06019762982
Action Type: ENFORCEMENT
Date: 12/29/2003
Action: Notice of Responsibility

Global Id: T06019762982
Action Type: Other
Date: 11/03/2003
Action: Leak Reported

Global Id: T06019762982
Action Type: RESPONSE
Date: 05/25/2009
Action: Site Assessment Report

Global Id: T06019762982
Action Type: Other
Date: 09/01/1961
Action: Leak Discovery

Global Id: T06019762982
Action Type: ENFORCEMENT
Date: 04/21/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T06019762982
Action Type: ENFORCEMENT
Date: 10/18/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T06019762982
Action Type: ENFORCEMENT
Date: 10/15/2009
Action: File review

G & S ENGINEERING (Continued) **S106874842**

Global Id: T06019762982
Action Type: ENFORCEMENT
Date: 08/02/2010
Action: File review

SAN DIEGO CO. SAM:
Case Number: H39643-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Preliminary Assessment
Date: 12/17/2003
Date Began: 9/1/1961

E51 **PACIFIC MARITIME FREIGHT, INC.** **CA SLIC** **S118504891**
ESE **1444 CESAR E. CHAVEZ PARKWAY** **N/A**
1/8-1/4 **SAN DIEGO, CA 92113**
0.217 mi.
1146 ft. **Site 1 of 2 in cluster E**

Relative:
Higher

Actual:
22 ft.

SLIC:
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 05/02/2016
Global Id: T10000008858
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number: Not reported
Latitude: 32.6946
Longitude: -117.15133
Case Type: Cleanup Program Site
Case Worker: WC
Local Agency: Not reported
RB Case Number: Not reported
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected: Sediments, Soil, Surface water, Under Investigation
Potential Contaminants of Concern: Polychlorinated biphenyls (PCBs), Copper, Other Metal
Site History: Sediments offshore likely impacted by discharges from this facility.

Click here to access the California GeoTracker records for this facility:

F52 **RALSTON PURINA/VAN CAMP** **CA SAN DIEGO CO. SAM** **S100726703**
North **1025 E HARBOR DR** **CA San Diego Co. HMMD** **N/A**
1/8-1/4 **SAN DIEGO, CA 92101**
0.218 mi.
1151 ft. **Site 1 of 6 in cluster F**

Relative:
Higher

Actual:
15 ft.

SAN DIEGO CO. SAM:
Case Number: H04622-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 8/10/1987
Date Began: 12/22/1986

RALSTON PURINA/VAN CAMP (Continued) **S100726703**

SAN DIEGO CO. HMMD:

Facility Id:	104622
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	DEH-104622
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 104622 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	104622
Tank Type:	Not reported
Additional Id:	Not reported
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	Not reported
Reg Status:	REMOVED
Remove Close Date:	1987-04-09 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	Not reported
UST Monitor Method:	Not reported

F53 **RALSTON PURINA/VAN CAMP** **CA SLIC** **U001572618**
North **1025 E HARBOR DR** **CA HIST UST** **N/A**
1/8-1/4 **SAN DIEGO, CA 92101**
0.218 mi.
1151 ft. **Site 2 of 6 in cluster F**

Relative:
Higher

Actual:
15 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/10/1987
Global Id:	T0607302723
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H04622-001
Latitude:	32.7034934348115
Longitude:	-117.15607464379
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT408

RALSTON PURINA/VAN CAMP (Continued) **U001572618**

File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:
File Number: 0002F1C7
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F1C7.pdf
Region: STATE
Facility ID: 00000020333
Facility Type: Other
Other Type: FOOD
Contact Name: Not reported
Telephone: 6192311911
Owner Name: RALSTON PURINA COMPANY
Owner Address: CHECKERBOARD SQUARE
Owner City,St,Zip: ST. LOUIS, MO 63164
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1975
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual

Click here for Geo Tracker PDF:

F54 **RALSTON PURINA COMPANY** **CA LUST** **S102435669**
North **1025 HARBOR DR E** **N/A**
1/8-1/4 **SAN DIEGO, CA 92105**
0.231 mi.
1220 ft. **Site 3 of 6 in cluster F**

Relative:
Higher

Actual:
15 ft.

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT408
Local Case: H04622-001
Substance: 0
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 12/18/1986
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported

RALSTON PURINA COMPANY (Continued) **S102435669**

Prelim Assess: 03/26/1987
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 8/11/87
Began Monitor: Not reported
Release Date: 10/22/1986
Enforce Date: Not reported
Closed Date: 8/10/87
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 2 FT
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

F55 **THE JANKOVICH COMPANY** **CA SLIC** **S102793804**
NNW **961 E HARBOR DR** **CA AST** **N/A**
1/8-1/4 **SAN DIEGO, CA 92101** **CA San Diego Co. HMMD**
0.232 mi.
1224 ft. **Site 4 of 6 in cluster F**

Relative:
Higher

Actual:
15 ft.

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 03/05/2013
Global Id: T10000002478
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H02810-001
Latitude: 32.7030097197425
Longitude: -117.156035900116
Case Type: Cleanup Program Site
Case Worker: CH
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 2090010 & 3729300
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Crude Oil
Site History: In February 2010, a subsurface pipe leak in the secondary containment area on site was detected and repaired. The pipe leak resulted in a release of crude oil. After the pipe was repaired, petroleum-impacted soil to six feet below ground surface (bgs) was removed. Six soil samples were collected from the bottom and sidewalls of the excavation. Petroleum hydrocarbons in the diesel and motor oil ranges (TPHd and TPHo) were detected at maximum concentrations of 48,600 and 136,000 milligrams per kilogram (mg/kg), respectively. Volatile organic compounds (VOCs) were also detected in the two samples that were analyzed. Ten additional soil borings were completed in April 2010 at depths of 2 to 12 feet bgs to evaluate the lateral and vertical extent of petroleum impacts in the vicinity of the pipe leak. Petroleum hydrocarbons were detected in all but one of the soil borings. The four existing groundwater monitoring wells on site, installed during previous investigations, were sampled and petroleum constituents were not detected in any of the groundwater samples. A

THE JANKOVICH COMPANY (Continued) **S102793804**

report detailing these results was submitted to DEH for review on August 31, 2010, at which time Voluntary Assistance case H02810-001 was opened. The consultant recommended additional soil assessment to determine the vertical and horizontal extent of petroleum impacts. Due to the high concentrations of petroleum hydrocarbons in the soil sample from the west side of the excavation, DEH was concerned that free product may have been present. As a result, DEH directed that a groundwater monitoring well be installed in this location. Ten additional soil borings were completed in April 2011, and 17 soil samples were collected. The consultant completed laboratory analysis on the soil samples collected from the four borings drilled closest to the pipe leak, and TPHd and TPHo were detected at maximum concentrations of 93.4 and 253 mg/kg, respectively. The consultant concluded that the levels of petroleum hydrocarbons detected were below typical action levels. As a result, the remaining soil samples, collected from borings completed further from the pipe leak, were not analyzed. Based upon the soil data, the consultant concludes that extent of soil impacts has been defined and does not recommend further soil investigation. The consultant was unable to install a groundwater monitoring well adjacent to the west side of the excavation due to the number of pipes in this location. Instead, a monitoring well was installed approximately 15 feet to the west. However, the consultant was able to obtain a grab groundwater sample from a boring drilled approximately 5 feet to the northeast. The groundwater monitoring wells were sampled in May 2011, December 2011, and March 2012. Petroleum constituents were detected in the grab groundwater sample; however, they were not detected in any of the samples from the groundwater monitoring wells. The consultant concludes that no significant TPH or VOC impacts have been detected in groundwater, and does not recommend further groundwater investigation. DEH concurs that the extent of petroleum-impacted soil from the pipe release has been delineated and that groundwater was not affected by the release. DEH further concurs with the consultants recommendation of no further action.

Click here to access the California GeoTracker records for this facility:

AST:

Certified Unified Program Agencies:	Not reported
Owner:	The Jankovich Company
Total Gallons:	Not reported
CERSID:	10380016
Facility ID:	37-000-102810
Business Name:	THE JANKOVICH COMPANY
Phone:	619.232.4939
Fax:	619.232.4501
Mailing Address:	Post Office Box 670
Mailing Address City:	San Pedro
Mailing Address State:	CA
Mailing Address Zip Code:	90731
Operator Name:	Tom Jankovich
Operator Phone:	310.547.3305
Owner Phone:	310.547.3305
Owner Mail Address:	Post Office Box 670
Owner State:	CA
Owner Zip Code:	90731
Owner Country:	United States

THE JANKOVICH COMPANY (Continued) **S102793804**

Property Owner Name:	Unified Port of San Diego
Property Owner Phone:	619.668.6200
Property Owner Mailing Address:	3165 Pacific Highway
Property Owner City:	San Diego
Property Owner Stat :	CA
Property Owner Zip Code:	92101
Property Owner Country:	United States
EPAID:	CAL000091750

SAN DIEGO CO. HMMD:

Facility Id:	102810
Business Type:	6HK78
EPA Id Number:	CAL000091750
APN:	DEH-102810
Last HMMD Inspection:	01/06/2012
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	JANKOVICH & COMPANY
Facility Address:	P O BOX 670
Facility City:	SAN PEDRO
Facility State:	CA
Facility Zip:	90731
UST Owner:	UNIFIED PORT OF SAN DIEGO
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 102810 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	102810
Tank Type:	SINGLE WALL
Additional Id:	001
Capacity Gallons:	3500
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1989-06-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 102810 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	102810
Tank Type:	DOUBLE WALL
Additional Id:	NT1855
Capacity Gallons:	10000
UST Contents:	OTHER
Other Content Info:	OWS WATER TANK-POST COLLECTION
Reg Status:	EXEMPT

THE JANKOVICH COMPANY (Continued) **S102793804**

Remove Close Date: Not reported
Year Installed: 1996-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: GRAVITY
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name: UNDERGROUND TANK 102810 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 102810
Tank Type: DOUBLE WALL
Additional Id: NT1855
Capacity Gallons: 2000
UST Contents: OTHER
Other Content Info: FUEL & OIL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1996-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: GRAVITY
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Active Permits:
Facility Id: 102810
Update Date: 11/02/2012
Case Number: MIXTURE
Name: JET FUEL TANKS 3 & 5
Other Information: JET FUEL (JP-8)
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: MARINE DIESEL TANK #4
Other Information: DIESEL FUEL #2
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: Not reported
Name: MOTOR OIL
Other Information: VALVOLINE MAX LIFE SAE 5W 20 MOTOR OIL
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: MIXTURE
Name: NALCO ALKALINE CLEANER #2567

THE JANKOVICH COMPANY (Continued) **S102793804**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: MIXTURE
Name: JET FUEL A: TANK #3:
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: Not reported
Name: ATF
Other Information: AUTOMATIC TRANMISSION FLUID
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: Not reported
Name: DIETHYLENE GLYCOL MONOMETHYL ETHER
Other Information: METHYL CARBITOL SOLVENT, INDUSTRIAL GRADE (ADDITIVE)
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: Not reported
Name: MOTOR OIL
Other Information: VALVOLINE MAX LIFE SAE 5W 30 MOTOR OIL
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: RAGS&FILTERS CNTMNTD W/OI
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: Not reported
Name: HYDRAULIC OIL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE

THE JANKOVICH COMPANY (Continued) **S102793804**

Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: 8002-05-09
Name: OILS, LUBRICATING
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: Not reported
Name: TRANSMISSION FLUID
Other Information: VALVOLINE DEX/MERC AUTOMATIC TRANSMISSION FLUID
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: 68476-30-2
Name: FUEL OIL TANK #2
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: Not reported
Name: LUBRAICATING OIL
Other Information: MOTOR OIL 10 / 40
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: JET FUEL FILTERS - WESPAC EPA ID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: MIXTURE
Name: DIETHYLENE GLYCOLMONOBUTYLETHE6%:
Other Information: AQUEOUS FOAM, AER-O-WATER 3EM
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 102810

THE JANKOVICH COMPANY (Continued) **S102793804**

Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: Not reported
Name: MOTOR OIL
Other Information: LUBRICATING 80/90
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102810
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: UNDERGROUND TANK 102810 T002 & T003 - CONNECTED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 102810
Update Date: 11/02/2012
Inspection Date: 01/06/2012
Violation Code: 6HV5106
Violation: INSP/TESTS DID NOT FOLLOW WRITTEN PROC
Violation Citation: Failed to conduct inspections and tests in accordance with procedures written in the Spill Prevention Control and Countermeasures Plan. 25270.4.5(a), 25270.5 & 25270.12(a) [ref. CFR 112.7(e), CFR 112.8(c)(6), (d)(4)]
Activity: ACTIVE

Facility Id: 102810
Update Date: 11/02/2012
Inspection Date: 12/03/2009
Violation Code: 6HV3262
Violation: SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation: Secondary containment piping obstructed preventing drainage to sump. 2632
Activity: ACTIVE

Facility Id: 102810
Update Date: 11/02/2012
Inspection Date: 10/29/2007
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Facility Id: 102810
Update Date: 11/02/2012

THE JANKOVICH COMPANY (Continued) **S102793804**

Inspection Date:	10/02/2006
Violation Code:	6HV0223
Violation:	MISMANAGED NON-EMPTY CONTAINER/LINER
Violation Citation:	Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	10/02/2006
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	01/06/2012
Violation Code:	6HV5402
Violation:	APSA DISCH. PREVENT MEASURES NOT MET
Violation Citation:	A facility subject to the Aboveground Petroleum Storage Act (APSA) failed to provide appropriate containment, equipment, diversionary structures or equivalent environmental protection to prevent discharge. 25270.4.5, 25270.5 & 25270.12(a) [ref. CFR 112.7(c), (a)(2), 112.8(a)]
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	08/26/2004
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	10/29/2007
Violation Code:	6HV1701
Violation:	UNAUTH. TREATMENT OF HAZARDOUS WASTE
Violation Citation:	Unauthorized treatment of hazardous waste.{All tiers 25201(a) Additionally, CESW/SQT: 25201.5; CEL: 25201.14; CA: 25200.3; PBR: 67450.1}
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	10/29/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	102810

THE JANKOVICH COMPANY (Continued) **S102793804**

Update Date:	11/02/2012
Inspection Date:	08/26/2004
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	08/16/2005
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	10/02/2006
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	12/03/2009
Violation Code:	6HV5104
Violation:	SPCC PLAN NOT AVAILABLE ONSITE
Violation Citation:	Spill Prevention Control and Countermeasures Plan was not available onsite. 25270.4.5(a), 25270.5 & 25270.12(a) [ref. CFR 112.3(e)]
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	01/18/2011
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	08/26/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012

THE JANKOVICH COMPANY (Continued) **S102793804**

Inspection Date:	10/29/2007
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	10/02/2006
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	01/18/2011
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	08/19/2009
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	12/03/2009
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	10/29/2007
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	08/16/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS

THE JANKOVICH COMPANY (Continued) **S102793804**

Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	11/26/2008
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	11/26/2008
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	01/06/2012
Violation Code:	6HV5212
Violation:	SPCC PLAN W/O PE CERT/UNLICENSED PE
Violation Citation:	The Spill Prevention Control and Countermeasures Plan is either missing the Professional Engineer certification or the Professional Engineer used was not licensed. 25270.4.5(a), 25270.12(a) [ref. CFR 112.3(d), CFR 112.5(e)]
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	10/29/2007
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	08/16/2005
Violation Code:	6HV3191
Violation:	NO D.O. CERT/NOTIFICATION/CHANGE
Violation Citation:	Designated Operator Notification/Change form not submitted and/or D.O. not ICC certified. 2715 (a)(b)
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	08/16/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA

THE JANKOVICH COMPANY (Continued) **S102793804**

Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	102810
Update Date:	11/02/2012
Inspection Date:	01/18/2011
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

F56 **WESPAC PIPELINES-SAN DIEGO, LLC** **CA AST** **A100426133**
NNW **961 EAST HARBOR DRIVE** **N/A**
1/8-1/4 **SAN DIEGO, CA 92101**
0.232 mi.
1224 ft. **Site 5 of 6 in cluster F**

Relative:
Higher

Actual:
15 ft.

AST:

Certified Unified Program Agencies:	Not reported
Owner:	WesPac Pipelines - San Diego LLC
Total Gallons:	Not reported
CERSID:	10422880
Facility ID:	Not reported
Business Name:	WesPac Pipelines-San Diego, LLC
Phone:	760-8021535
Fax:	Not reported
Mailing Address:	28039 Scott Road, Ste D-313
Mailing Address City:	Murrieta
Mailing Address State:	CA
Mailing Address Zip Code:	92563
Operator Name:	Dale Thurman
Operator Phone:	760-802-1535
Owner Phone:	610-904-4225
Owner Mail Address:	9999 Hamilton Blvd., Five Tek Park
Owner State:	PA
Owner Zip Code:	18031
Owner Country:	United States
Property Owner Name:	The Jankovich company
Property Owner Phone:	619-232-4939
Property Owner Mailing Address:	961 E. Harbor Drive
Property Owner City:	San Diego
Property Owner Stat :	CA
Property Owner Zip Code:	92101
Property Owner Country:	United States
EPAID:	CAL000225217

57
East
1/8-1/4
0.241 mi.
1275 ft.

CHEVRON USA INC EMBARCADERO MARINE BP
1820 N HARBOR DR
SAN DIEGO, CA 92101

RCRA-SQG **1000434383**
CA LUST **CAT000614966**
FINDS
CA HIST CORTESE
ECHO

Relative:
Higher

Actual:
29 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	CHEVRON USA INC EMBARCADERO MARINE BP
Facility address:	1820 N HARBOR DR SAN DIEGO, CA 92101
EPA ID:	CAT000614966
Mailing address:	1635 ROSECRANS SAN DIEGO, CA 92106
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CHEVRON USA INC/PORT OF SAN DIEGO
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

CHEVRON USA INC EMBARCADERO MARINE BP (Continued) **1000434383**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/27/1992
Site name: CHEVRON TERMINAL-EMBARCADERO M
Classification: Large Quantity Generator

Date form received by agency: 08/15/1980
Site name: CHEVRON USA INC EMBARCADERO MARINE BP
Classification: Large Quantity Generator

Violation Status: No violations found

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2073
Local Case: H03414-002
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Surface Water
Date Found: 08/02/1991
Date Stopped: 08/02/1991
Confirm Date: 08/02/1991
Submit Workplan: 9/24/91
Prelim Assess: 03/10/1993
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 08/02/1991
Enforce Date: Not reported
Closed Date: 9/11/95
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 7’
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: Not reported
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported

CHEVRON USA INC EMBARCADERO MARINE BP (Continued) **1000434383**

Waste Discharge Requirement Number: Not reported

FINDS:

Registry ID: 110002943469

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2073

ECHO:
Envid: 1000434383
Registry ID: 110002943469
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002943469

E58 **BURLINGTON NORHTERN AND SANTA FE RR CO** **RCRA-SQG** **1000242130**
ESE **1342 CESAR E CHAVEZ PKWY** **FINDS** **CAD981460124**
1/8-1/4 **SAN DIEGO, CA 92113** **ECHO**
0.243 mi.
1282 ft. **Site 2 of 2 in cluster E**

Relative:
Higher

Actual:
24 ft.

RCRA-SQG:
Date form received by agency: 04/20/2004
Facility name: BURLINGTON NORHTERN AND SANTA FE RR CO
Facility address: 1342 CESAR E CHAVEZ PKWY
SAN DIEGO, CA 92113
EPA ID: CAD981460124
Mailing address: 740 E CARNEGIE DR
SAN BERNARDINO, CA 92408-3571
Contact: DANIEL SILVA
Contact address: 740 E CARNEGIE DR
SAN BERNARDINO, CA 92408-3571
Contact country: US
Contact telephone: 909-386-4320
Contact email: DANIEL.SILVA@BNSF.COM
EPA Region: 09
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

BURLINGTON NORHTERN AND SANTA FE RR CO (Continued) **1000242130**

Owner/Operator Summary:
Owner/operator name: BURLINGTON NORTHERN AND SANTA FE RR CO
Owner/operator address: 740 E CARNEGIE DR
SAN BERNARDINO, CA 92408
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1900
Owner/Op end date: Not reported

Owner/operator name: BURLINGTON NORTHERN AND SANTA FE RR CO
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1900
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Historical Generators:
Date form received by agency: 10/12/2000
Site name: BNSF - SAN DIEGO
Classification: Large Quantity Generator

Date form received by agency: 01/17/1997
Site name: BURLINGTON NORHTERN AND SANTA FE RR CO
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: BURLINGTON NORHTERN AND SANTA FE RR CO
Classification: Large Quantity Generator

Date form received by agency: 04/02/1990
Site name: ATCHISON TOPEKA SANTA FE RR CO

BURLINGTON NORHTERN AND SANTA FE RR CO (Continued) **1000242130**

Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/12/2004
Date achieved compliance: 01/16/2004
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 09/06/1991
Date achieved compliance: 07/13/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 01/18/1990
Date achieved compliance: 09/06/1991
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/12/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/16/2004
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 07/13/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/16/2004

BURLINGTON NORHTERN AND SANTA FE RR CO (Continued) **1000242130**

Evaluation lead agency: State Contractor/Grantee

Evaluation date: 09/06/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/13/1993
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 01/18/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/06/1991
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002715081

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1000242130
Registry ID: 110002715081
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002715081

F59 **FOSS ENVIRONMENTAL SERVICES** **TX Ind. Haz Waste** **S103931366**
NNW **909 E HARBOR DR** **N/A**
1/8-1/4 **SAN DIEGO, CA 92101**
0.246 mi.
1298 ft. **Site 6 of 6 in cluster F**

Relative:
Higher

Actual:
15 ft.

Ind. Haz Waste:
Registration Number: 85986
Registration Initial Notification Date: 02/05/1999
Registration Last Amendment Date: 04/23/2009
EPA Identification: CAD082699562
Primary NAICS Code: 484121
Status Change Date: 19990205
Land Type: Not reported
Description of Facility Site Location: Not reported
Site Primary Standard Industrial Code: Not reported
Site Primary SIC Description: Not reported
Registration is Generator of Waste: No
Registration is Receivers of Waste: No
Registration is Transporter of Waste: Yes
Registration is Transfer Facility: No

FOSS ENVIRONMENTAL SERVICES (Continued) **S103931366**

Facility is STEERS Reporter: No
Reqired to Submit Annual Waste Summary: No
Facility Involved In Recycling: No
Revcr Has Monthly Reporting Requirement: 0
Mexican Facility: Not reported
Type of Generator: Not reported
TNRCC Region: Not reported
Company Name: FOSS ENVIRONMENTAL SERVICES CO
Contact Name: JEROME L JANUS
Contact Telephone Number: 619-2343677
Mailing Address: 3500 ESTUDILLO ST
Mailing Address2: Not reported
Mailing City,St,Zip: SAN DIEGO, CA 921102005
Mailing County: UNITED STATES
Facility Country: UNITED STATES
TNRCC Facility ID: 108999
Site Owner Tax ID: 0
Site Location Latitude: -00.000
Site Location Longitude: -000.000
Last Update to NOR Data: 20090423
Ind. waste permit Number: Not reported
Mun waste permit Number: Not reported
Non Notifier: No

Business Records Not Found for this RegNo/Year:

Owner:
Owner Mailing Address: 3500 ESTUDILLO ST
Owner Mailing Address2: Not reported
Owner Mailing Address3: Not reported
Owner City,St,Zip: SAN DIEGO, CA 92110 2005
Owner Country: UNITED STA
Owner Phone Number: 1-619-2343677
Owner Fax Number: Not reported
Owner Email Address: Not reported
Owner Business Type: Unknown
Owner Tax Id: Not reported
Owner Bankruptcy Code: Not reported

Operator:
Operator Last Name: FOSS ENVIRONMENTAL SERVICES CO
Operator First Name: Not reported
Operator Name: FOSS ENVIRONMENTAL SERVICES CO
Operator Mailing Address: 3500 ESTUDILLO ST
Operator Mailing Address 2: Not reported
Operator Mailing City,St,Zip: SAN DIEGO, CA 92110 2005
Operator Country: UNITED STA
Operator Phone: 1-619-2343677
Operator Fax: Not reported
Operator Email: Not reported
Operator Business Type: Unknown
Operator Tax Id: Not reported
Operator Bankruptcy Code: Not reported

Contact:
Contact Name: Not reported
Contact Title: Not reported
Contact Role: OWNCON
Contact Address: 3500 ESTUDILLO ST

FOSS ENVIRONMENTAL SERVICES (Continued) **S103931366**

Contact Address2: Not reported
Conact City,St,Zip: SAN DIEGO, CA 92110 2005
Contact Phone: 1-619-2343677
Contact Fax: Not reported
Contact Email: Not reported

Contact:
Contact Name: JEROME JANUS
Contact Title: PROJECT SUPERVISOR
Contact Role: PRICONT
Contact Address: 3500 ESTUDILLO ST
Contact Address2: Not reported
Conact City,St,Zip: SAN DIEGO, CA 92110 2005
Contact Phone: 1-619-2343677
Contact Fax: Not reported
Contact Email: Not reported

Contact:
Contact Name: Not reported
Contact Title: Not reported
Contact Role: OPRCON
Contact Address: 3500 ESTUDILLO ST
Contact Address2: Not reported
Conact City,St,Zip: SAN DIEGO, CA 92110 2005
Contact Phone: 1-619-2343677
Contact Fax: Not reported
Contact Email: Not reported

Unit Records Not Found for this RegNo/Year:

One Time Shipper Records Not Found for this RegNo/Year:
Receiver Type: Not reported
Transporter for hire: 1
Transport own waste: 0
Eq 01, if transport waste type = 1: 01
Eq 02, if transport waste type = 2: 02
Eq 03, if transport waste type = 3: Not reported
Eq 04, if transport waste type = H: Not reported
Target TCEQ unique facid for discarded(merged) facility: Not reported

Waste Records Not Found for this RegNo/Year:

G60 **YOUNGS MARKET CO** **CA LUST** **S104748498**
ENE **1709 MAIN ST** **CA SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113** **CA San Diego Co. HMMD**
0.256 mi. **CA SWEEPS UST**
1354 ft. **Site 1 of 3 in cluster G** **CA HIST CORTESE**

Relative:
Higher

Actual:
31 ft.

LUST:
Region: STATE
Global Id: T0607301065
Latitude: 32.700534
Longitude: -117.149438
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 12/07/1992
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: NS
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT2298

YOUNGS MARKET CO (Continued) **S104748498**

LOC Case Number: H15795-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0607301065
Contact Type: Local Agency Caseworker
Contact Name: NASSER SIONIT
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: nasser.sionit@sdcounty.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0607301065
Status: Completed - Case Closed
Status Date: 12/07/1992

Global Id: T0607301065
Status: Open - Case Begin Date
Status Date: 09/08/1992

Regulatory Activities:
Global Id: T0607301065
Action Type: Other
Date: 09/08/1992
Action: Leak Stopped

Global Id: T0607301065
Action Type: ENFORCEMENT
Date: 09/29/1992
Action: Notice of Responsibility

Global Id: T0607301065
Action Type: Other
Date: 09/08/1992
Action: Leak Began

Global Id: T0607301065
Action Type: Other
Date: 09/08/1992
Action: Leak Discovery

Global Id: T0607301065
Action Type: Other
Date: 09/23/1992
Action: Leak Reported

SAN DIEGO CO. SAM:
Case Number: H15795-001

YOUNGS MARKET CO (Continued) **S104748498**

Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 12/7/1992
Date Began: 9/8/1992

SAN DIEGO CO. HMMD:
Facility Id: 115795
Business Type: 6HK18
EPA Id Number: Not reported
APN: DEH-115795
Last HMMD Inspection: 07/22/1997
Permit Status: INAC
Permit Expiration: 07/22/1997
Facility Owner: YOUNGS MARKET CO
Facility Address: 1709 MAIN ST
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92113-1025
UST Owner: YOUNGS MARKET CO
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 115795 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 115795
Tank Type: SINGLE WALL
Additional Id: 3
Capacity Gallons: 8000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1992-09-18 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

SWEEPS UST:
Status: Active
Comp Number: 15795
Number: 9
Board Of Equalization: 44-022926
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-015795-000001

YOUNGS MARKET CO (Continued) **S104748498**

Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: 1

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2298

G61 **YOUNG'S MARKET COMPANY** **CA LUST** **S102441452**
ENE **1709 MAIN ST S** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.256 mi.
1354 ft. **Site 2 of 3 in cluster G**

Relative:
Higher

Actual:
31 ft.

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2298
Local Case: H15795-001
Substance: Diesel
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 09/08/1992
Date Stopped: 09/08/1992
Confirm Date: 09/23/1992
Submit Workplan: 9/23/92
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/23/1992
Enforce Date: Not reported
Closed Date: 12/7/92
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: Not reported
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes

YOUNG'S MARKET COMPANY (Continued) **S102441452**

Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

62
NE
1/4-1/2
0.265 mi.
1398 ft.

SHELL SERVICE STATION
1699 MAIN
EL CAJON, CA 92021

CA San Diego Co. HMMD **S104755131**
CA HIST CORTESE **N/A**

Relative:
Higher

Actual:
22 ft.

SAN DIEGO CO. HMMD:

Facility Id:	135669
Business Type:	6HK70
EPA Id Number:	CAR000161455
APN:	538-210-25-00
Last HMMD Inspection:	03/27/2009
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	NATIONAL STEEL & SHIPBUILDING
Facility Address:	P.O. BOX 85278 MS-22A
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92186-5278
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	135669
Update Date:	11/02/2012
Case Number:	Not reported
Name:	LIGROINE
Other Information:	PAINT ENAMEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	135669
Update Date:	11/02/2012
Case Number:	Not reported
Name:	MAGNESIUM OXIDE
Other Information:	KOBEL WELDING FLUX
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	135669
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	PROPANE GAS
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

SHELL SERVICE STATION (Continued) **S104755131**

Facility Id:	135669
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	135669
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PAINT POLY (OXO-HEXYL ACETATE)
Other Information:	PAINT POLYURETHANE
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	135669
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	RAGS (OILY)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	135669
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PAINT EPOXY
Other Information:	INTERNATIONAL EPOXY PAINT
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	135669
Update Date:	11/02/2012
Case Number:	Not reported
Name:	POLYACRYLAMIDE
Other Information:	MUD-OUT MARINE MUD DISPERSANT
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	135669
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information:	AEROSOL CANS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	135669
Update Date:	11/02/2012
Case Number:	76142

SHELL SERVICE STATION (Continued) **S104755131**

Name: DICHLORODIFLUROMETHANE
Other Information: FREON 114
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 135669
Update Date: 11/02/2012
Case Number: 75718
Name: DICHLORODIFLUROMETHANE
Other Information: REFRIGERANT R-12
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 135669
Update Date: 11/02/2012
Case Number: MIXTURE
Name: GREASE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 135669
Update Date: 11/02/2012
Case Number: Not reported
Name: NAPTHA
Other Information: FLAMMABLE SOLVENTS
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 135669
Update Date: 11/02/2012
Case Number: 124389
Name: CARBON DIOXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 135669
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 135669
Update Date: 11/02/2012
Case Number: 68476-30-2
Name: PETROLEUM MID DISTILLATES
Other Information: #2 DIESEL FUEL
Material Waste: Material

SHELL SERVICE STATION (Continued) **S104755131**

Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 135669
Update Date: 11/02/2012
Inspection Date: 03/27/2009
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: ACTIVE

Facility Id: 135669
Update Date: 11/02/2012
Inspection Date: 04/16/2007
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector's review. 25505(e)
Activity: ACTIVE

Facility Id: 135670
Business Type: 6HK28
EPA Id Number: Not reported
APN: 538-210-25-00
Last HMMD Inspection: 08/09/1995
Permit Status: INAC
Permit Expiration: 05/08/1996
Facility Owner: EDWARD GOLDBERG
Facility Address: 9717 IVANHOE AVE #200
Facility City: LA JOLLA
Facility State: CA
Facility Zip: 92037-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 135670 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 135670
Tank Type: UNKNOWN
Additional Id: 001 UNKNOWN MOTOR FUEL
Capacity Gallons: 2000
UST Contents: Not reported
Other Content Info: GASOLINE(TYPE UNKNOWN)
Reg Status: REMOVED
Remove Close Date: 1996-05-23 00:00:00
Year Installed: Not reported
Pipe Type: UNKNOWN
Delivery System: Not reported
Monitor Code: 90

SHELL SERVICE STATION (Continued) **S104755131**

UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT468

Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3779

G63 **SUPERIOR CRANE AND RIGGING, INC.** **SEMS-ARCHIVE** **1003879836**
ENE **1779 MAIN STREET** **CAD983658477**
1/4-1/2 **SAN DIEGO, CA 92113**
0.268 mi.
1416 ft. **Site 3 of 3 in cluster G**

Relative:
Higher

Actual:
33 ft.

SEMS-ARCHIVE:
Site ID: 904777
EPA ID: CAD983658477
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0904777
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13288678.00000
Person ID: 13003854.00000

Contact Sequence ID: 13294273.00000
Person ID: 13003858.00000

Contact Sequence ID: 13300131.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: STANDARD IRON WORKS
Alias Address: FOOT OF BEARDSLEY
CA

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 02/08/93
Priority Level: Not reported

Action: ARCHIVE SITE

SUPERIOR CRANE AND RIGGING, INC. (Continued) **1003879836**

Date Started:	/ /
Date Completed:	09/17/93
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	/ /
Date Completed:	09/17/93
Priority Level:	NFRAP-Site does not qualify for the NPL based on existing information

---

64
ESE
1/4-1/2
0.293 mi.
1547 ft.

RESTAURANT DEPOT **CA LUST** **S110711898**
1335 CESAR E CHAVEZ WAY **N/A**
SAN DIEGO, CA 92113

Relative:
Higher

Actual:
24 ft.

LUST:

Region:	STATE
Global Id:	T10000002783
Latitude:	32.697045
Longitude:	-117.147425
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	01/10/2013
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	CB
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	213206-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Refer to "Site Maps/Documents" tab for closure summary/letter.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T10000002783
Contact Type:	Local Agency Caseworker
Contact Name:	CRAIG BURNETT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	SAN DIEGO
Email:	craig.burnett@sdcounty.ca.gov
Phone Number:	8585056978

Status History:

Global Id:	T10000002783
Status:	Completed - Case Closed
Status Date:	01/10/2013
Global Id:	T10000002783
Status:	Open - Case Begin Date
Status Date:	01/13/2011
Global Id:	T10000002783
Status:	Open - Site Assessment
Status Date:	01/13/2011

RESTAURANT DEPOT (Continued) **S110711898**

Regulatory Activities:

Global Id:	T10000002783
Action Type:	ENFORCEMENT
Date:	02/16/2011
Action:	Technical Correspondence / Assistance / Other
Global Id:	T10000002783
Action Type:	RESPONSE
Date:	05/31/2011
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T10000002783
Action Type:	RESPONSE
Date:	05/22/2012
Action:	Site Assessment Report - Regulator Responded
Global Id:	T10000002783
Action Type:	RESPONSE
Date:	10/04/2012
Action:	Monitoring Report - Quarterly - Regulator Responded
Global Id:	T10000002783
Action Type:	ENFORCEMENT
Date:	07/05/2011
Action:	Technical Correspondence / Assistance / Other
Global Id:	T10000002783
Action Type:	ENFORCEMENT
Date:	01/10/2013
Action:	Closure/No Further Action Letter
Global Id:	T10000002783
Action Type:	ENFORCEMENT
Date:	08/07/2012
Action:	Technical Correspondence / Assistance / Other
Global Id:	T10000002783
Action Type:	Other
Date:	01/13/2011
Action:	Leak Reported
Global Id:	T10000002783
Action Type:	ENFORCEMENT
Date:	01/26/2011
Action:	Notice of Responsibility
Global Id:	T10000002783
Action Type:	ENFORCEMENT
Date:	04/09/2012
Action:	Technical Correspondence / Assistance / Other
Global Id:	T10000002783
Action Type:	Other
Date:	01/13/2011
Action:	Leak Stopped

H65 **CAMPBELL INDUSTRIES** **CA SLIC** **S109850894**
NNW **8TH AVE & HARBOR DR** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101**
0.323 mi.
1704 ft. **Site 1 of 6 in cluster H**

Relative:
Higher

Actual:
18 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/07/2000
Global Id:	T0608151868
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H00417-002
Latitude:	32.7044361523666
Longitude:	-117.15790271759
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Polychlorinated biphenyls (PCBs)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

H66 **PORT OF SAN DIEGO DIST MAINT FACIL** **RCRA-SQG** **1000818169**
NNW **825 E HARBOR DR** **CA LUST** **CAD980882153**
1/4-1/2 **SAN DIEGO, CA 92101** **CA HAZNET**
0.326 mi.
1719 ft. **Site 2 of 6 in cluster H**

Relative:
Higher

Actual:
18 ft.

RCRA-SQG:

Date form received by agency:	11/06/1992
Facility name:	PORT OF SAN DIEGO DIST MAINT FACIL
Facility address:	825 E HARBOR DR SAN DIEGO, CA 92101
EPA ID:	CAD980882153
Mailing address:	P O BOX 488 SAN DIEGO, CA 92112
Contact:	RALPH HICKS
Contact address:	P O BOX 488 SAN DIEGO, CA 92112
Contact country:	US
Contact telephone:	(619) 291-3900
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	SAN DIEGO UNIFIED PORT DIST
Owner/operator address:	3165 PACIFIC HWY SAN DIEGO, CA 92101
Owner/operator country:	Not reported

PORT OF SAN DIEGO DIST MAINT FACIL (Continued) **1000818169**

Owner/operator telephone: (619) 291-3900
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT3102
Local Case: H11530-002
Substance: Waste Oil
Qty Leaked: 0
Abate Method: No Action Taken - no action has as yet been taken at the site
Local Agency: San Diego
How Found: Subsurface Monitoring
How Stopped: Not reported
Source: Tank
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 06/21/1995
Date Stopped: 06/21/1995
Confirm Date: / /
Submit Workplan: 6/21/95
Prelim Assess: 08/03/1995
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 06/21/1995
Enforce Date: 8/3/95
Closed Date: 2/20/97
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 6’
Beneficial Use: No Beneficial groundwater use

PORT OF SAN DIEGO DIST MAINT FACIL (Continued) **1000818169**

NPDES Number: Not reported
Priority: 3A
File Dispn: File discarded, case closed
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HAZNET:
envid: 1000818169
Year: 2003
GEPAID: CAD980882153
Contact: BILL HAYS
Telephone: 6196866254
Mailing Name: Not reported
Mailing Address: PO BOX 488
Mailing City,St,Zip: SAN DIEGO, CA 921120488
Gen County: Not reported
TSD EPA ID: AZ0000337360
TSD County: Not reported
Waste Category: Polychlorinated biphenyls and material containing PCBs
Disposal Method: Recycler
Tons: 0.32
Cat Decode: Polychlorinated biphenyls and material containing PCBs
Method Decode: Recycler
Facility County: San Diego

envid: 1000818169
Year: 2003
GEPAID: CAD980882153
Contact: BILL HAYS
Telephone: 6196866254
Mailing Name: Not reported
Mailing Address: PO BOX 488
Mailing City,St,Zip: SAN DIEGO, CA 921120488
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: 0.04
Cat Decode: Liquids with halogenated organic compounds >= 1,000 Mg./L
Method Decode: Transfer Station
Facility County: San Diego

envid: 1000818169
Year: 2003
GEPAID: CAD980882153
Contact: BILL HAYS
Telephone: 6196866254
Mailing Name: Not reported
Mailing Address: PO BOX 488
Mailing City,St,Zip: SAN DIEGO, CA 921120488
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Off-specification, aged or surplus inorganics
Disposal Method: Disposal, Land Fill

PORT OF SAN DIEGO DIST MAINT FACIL (Continued) **1000818169**

Tons: 1.04
Cat Decode: Off-specification, aged or surplus inorganics
Method Decode: Disposal, Land Fill
Facility County: San Diego

envid: 1000818169
Year: 2003
GEPAID: CAD980882153
Contact: BILL HAYS
Telephone: 6196866254
Mailing Name: Not reported
Mailing Address: PO BOX 488
Mailing City,St,Zip: SAN DIEGO, CA 921120488
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 0.47
Cat Decode: Unspecified solvent mixture
Method Decode: Recycler
Facility County: San Diego

envid: 1000818169
Year: 2003
GEPAID: CAD980882153
Contact: BILL HAYS
Telephone: 6196866254
Mailing Name: Not reported
Mailing Address: PO BOX 488
Mailing City,St,Zip: SAN DIEGO, CA 921120488
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Recycler
Tons: 0.32
Cat Decode: Off-specification, aged or surplus organics
Method Decode: Recycler
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
244 additional CA_HAZNET: record(s) in the EDR Site Report.

H67 **SAN DIEGO UNIFIED PORT DIST** **CA LUST** **U001572580**
NNW **825 E HARBOR DR** **CA SWEEPS UST** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101**
0.326 mi.
1719 ft. **Site 3 of 6 in cluster H**

Relative:
Higher

Actual:
18 ft.

LUST:
Region: STATE
Global Id: T0607301868
Latitude: 32.7041346847719
Longitude: -117.156794179502
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/20/1997

SAN DIEGO UNIFIED PORT DIST (Continued) **U001572580**

Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT3102
LOC Case Number: H11530-002
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607301868
Status: Completed - Case Closed
Status Date: 02/20/1997

Global Id: T0607301868
Status: Open - Case Begin Date
Status Date: 06/21/1995

Regulatory Activities:
Global Id: T0607301868
Action Type: ENFORCEMENT
Date: 08/03/1995
Action: Notice of Responsibility

Global Id: T0607301868
Action Type: Other
Date: 06/21/1995
Action: Leak Stopped

Global Id: T0607301868
Action Type: Other
Date: 06/21/1995
Action: Leak Began

Global Id: T0607301868
Action Type: Other
Date: 06/21/1995
Action: Leak Discovery

Global Id: T0607301868
Action Type: Other
Date: 06/21/1995
Action: Leak Reported

SWEEPS UST:
Status: Active
Comp Number: 11530
Number: 9
Board Of Equalization: 44-022507
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported

SAN DIEGO UNIFIED PORT DIST (Continued) **U001572580**

SWRCB Tank Id: 37-000-011530-000001
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 6

Status: Active
Comp Number: 11530
Number: 9
Board Of Equalization: 44-022507
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-011530-000002
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 11530
Number: 9
Board Of Equalization: 44-022507
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-011530-000003
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 11530
Number: 9
Board Of Equalization: 44-022507
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-011530-000004
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P

SAN DIEGO UNIFIED PORT DIST (Continued) **U001572580**

Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 11530
Number: 9
Board Of Equalization: 44-022507
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-011530-000005
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 11530
Number: 9
Board Of Equalization: 44-022507
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-011530-000006
Tank Status: A
Capacity: 2000
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

H68 **SD PORT DISTRICT MAINT DEPT** **CA SAN DIEGO CO. SAM** **S103982277**
NNW **825 E HARBOR DR** **CA San Diego Co. HMMD** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101** **CA HIST UST**
0.326 mi.
1719 ft. **Site 4 of 6 in cluster H**

Relative:
Higher

Actual:
18 ft.

SAN DIEGO CO. SAM:
Case Number: H11530-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 2/20/1997
Date Began: 6/21/1995

SAN DIEGO CO. HMMD:
Facility Id: 111530
Business Type: 6HK52
EPA Id Number: CAD980882153
APN: DEH-111530

SD PORT DISTRICT MAINT DEPT (Continued) **S103982277**

Last HMMD Inspection:	04/24/2003
Permit Status:	INAC
Permit Expiration:	12/31/2003
Facility Owner:	SAN DIEGO UNIFIED PORT DIST
Facility Address:	P.O. BOX 120488
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92112-0488
UST Owner:	SAN DIEGO UNIFIED PORT DIST
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 111530 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	111530
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1995-06-21 00:00:00
Year Installed:	1951-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 111530 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	111530
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1995-06-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 111530 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	111530
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	6000
UST Contents:	DIESEL

SD PORT DISTRICT MAINT DEPT (Continued) **S103982277**

Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1995-06-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 111530 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	111530
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1995-06-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 111530 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	111530
Tank Type:	SINGLE WALL
Additional Id:	5
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1995-06-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

Violations Inactive Permits:

Facility Id:	111530
Update Date:	11/02/2012
Inspection Date:	04/24/2003
Violation Code:	6HV0205
Violation:	WASTE CONTAINER: POOR CONDITION
Violation Citation:	Failed to transfer hazardous waste from a container that leaked or was in poor condition to another container in good condition. CCR 66265.171
Activity:	Inactive Permit
Facility Id:	111530
Update Date:	11/02/2012

SD PORT DISTRICT MAINT DEPT (Continued) **S103982277**

Inspection Date: 04/24/2003
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: Inactive Permit

Facility Id: 111530
Update Date: 11/02/2012
Inspection Date: 04/24/2003
Violation Code: 6HV0203
Violation: DAMAGED CONTAINER NOT REPACKAGED
Violation Citation: Hazardous materials in damaged containers have not been repackaged within 96 hours & are now declared hazardous waste. HSC 25124(E)
Activity: Inactive Permit

HIST UST:
File Number: 0002F298
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F298.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

69
NNE
1/4-1/2
0.330 mi.
1743 ft.

SAN DIEGO TROLLEY, INC
1535 NEWTON AV
SAN DIEGO, CA 92113

CA SAN DIEGO CO. SAM **S104748609**
CA SLIC **N/A**
CA AST
CA San Diego Co. HMMD

Relative:
Higher

Actual:
18 ft.

SAN DIEGO CO. SAM:
Case Number: H16505-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 2/3/1997
Date Began: 6/22/1992

SAN DIEGO TROLLEY, INC (Continued) **S104748609**

Case Number: H16505-002
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 2/3/1997
Date Began: Not reported

Case Number: H16505-003
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: OX
Facility Status: Preliminary Assessment
Date: 12/23/2008
Date Began: 12/23/2008

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 02/03/1997
Global Id: T0608120514
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H16505-002
Latitude: 32.703623
Longitude: -117.15224
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 02/03/1997
Global Id: T0608192456
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H16505-001
Latitude: 32.703623
Longitude: -117.15224
Case Type: Cleanup Program Site
Case Worker: KH
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Completed - Case Closed**

SAN DIEGO TROLLEY, INC (Continued) **S104748609**

Status Date:	08/14/2013
Global Id:	T0608195831
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H16505-003
Latitude:	32.703623
Longitude:	-117.15224
Case Type:	Cleanup Program Site
Case Worker:	TS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

AST:

Certified Unified Program Agencies:	San Diego
Owner:	SAN DIEGO TROLLEY
Total Gallons:	2830
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	116505
Business Type:	6HK52
EPA Id Number:	CAR000006015
APN:	538-010-24-00
Last HMMD Inspection:	01/25/2011
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	SAN DIEGO TROLLEY
Facility Address:	1255 IMPERIAL AV #900

SAN DIEGO TROLLEY, INC (Continued) **S104748609**

Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92101-7440
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 116505
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE
Other Information: WELD SHOP
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: 811-97-2
Name: R-134A
Other Information: BLDG B
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 116505
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: BLDG C/ SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: PAINT WASTE (LIQUID), AEROSOLS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN
Other Information: BLDG C
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 116505

SAN DIEGO TROLLEY, INC (Continued) **S104748609**

Update Date:	11/02/2012
Case Number:	75-45-6
Name:	R-22
Other Information:	BLDG B
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Facility Id:	116505
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	ABSORBENTS SATURATED WASH OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	116505
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL 7 FUEL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	116505
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN
Other Information:	WELD SHOP
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Facility Id:	116505
Update Date:	11/02/2012
Case Number:	7664-93-9
Name:	SULFURIC ACID (BATTERY ELECTROLYTE) (1601 NEWTON)
Other Information:	SHED
Material Waste:	Material
Hazardous Categories 1:	EXTREMELY HAZARDOUS
Hazardous Categories 2:	Not reported
Facility Id:	116505
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	DEGREASERS/CLEANERS/WAS
Other Information:	DEGREASER
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	116505
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING, GREASE

SAN DIEGO TROLLEY, INC (Continued) **S104748609**

Other Information: BLDG B & C
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: BLDG B
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: Not reported
Name: ARGON & ARGON/CO2
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: USED AQUEOUS SOLVENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: BLDG C-GREASE ROOM
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: LEAD ACID/NICAD (SHED & BLDG B)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported

SAN DIEGO TROLLEY, INC (Continued) **S104748609**

Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: PAINT WASTE (SOLIDS)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: MIXTURE
Name: NICAD BATTERIES
Other Information: STORAGE AREA/SHED
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 116505
Update Date: 11/02/2012
Inspection Date: 06/29/2007
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector's review. 25505(e)
Activity: ACTIVE

Facility Id: 116505
Update Date: 11/02/2012
Inspection Date: 06/29/2007
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

Facility Id: 116505
Update Date: 11/02/2012
Inspection Date: 06/29/2007
Violation Code: 6HV0142
Violation: DID NOT NOTIFY OF TIERED PERMITTING
Violation Citation: TIERED PERMITTING: Facility has failed to notify local CUPA and DTSC of eligible onsite treatment of hazardous waste. 25201(a)
Activity: ACTIVE

Facility Id: 116505
Update Date: 11/02/2012
Inspection Date: 06/29/2007
Violation Code: 6HV0407
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity: ACTIVE

Facility Id: 116505

SAN DIEGO TROLLEY, INC (Continued) **S104748609**

Update Date:	11/02/2012
Inspection Date:	06/29/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	06/29/2007
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	01/25/2011
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	06/29/2007
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	01/25/2011
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	01/25/2011
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	12/08/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation

SAN DIEGO TROLLEY, INC (Continued) **S104748609**

	date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	06/29/2007
Violation Code:	6HV0147
Violation:	UW RECORDS NOT KEPT ONSITE FOR 3 YEARS
Violation Citation:	Failed to keep universal waste record for 3 years for offsite shipment. SQH:66273.19(b)&(c)(2); LQH:66273.39(b)&(c)(2)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	08/30/2005
Violation Code:	6HV0133
Violation:	MANIFEST COPY NOT SENT TO DTSC
Violation Citation:	Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	01/25/2011
Violation Code:	6HV0136
Violation:	NO DISPOSAL RECORDS: BATTERIES
Violation Citation:	Generator has not maintained onsite documentation for lead-acid battery disposal. CCR 66266.81(a)(4)(B)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	01/25/2011
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	12/08/2003
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	06/29/2007
Violation Code:	6HV0229
Violation:	HW CONTAINERS NOT INSPECTED WEEKLY
Violation Citation:	Failed to conduct weekly inspections. CFR 265.174
Activity:	ACTIVE

SAN DIEGO TROLLEY, INC (Continued) **S104748609**

Facility Id: 116505
Update Date: 11/02/2012
Inspection Date: 01/25/2011
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 116505
Update Date: 11/02/2012
Inspection Date: 06/29/2007
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Facility Id: 116505
Business Type: 6HK52
EPA Id Number: CAR000006015
APN: 538-010-24-00
Last HMMD Inspection: 01/25/2011
Permit Status: OPEN
Permit Expiration: 11/30/2012
Facility Owner: SAN DIEGO TROLLEY
Facility Address: 1255 IMPERIAL AV #900
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92101-7440
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:

Facility Id: 116505
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE
Other Information: WELD SHOP
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: 811-97-2
Name: R-134A
Other Information: BLDG B
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

SAN DIEGO TROLLEY, INC (Continued) **S104748609**

Facility Id:	116505
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information:	BLDG C/ SUMP SLUDGE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	116505
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	PAINT WASTE (LIQUID), AEROSOLS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	116505
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN
Other Information:	BLDG C
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	116505
Update Date:	11/02/2012
Case Number:	75-45-6
Name:	R-22
Other Information:	BLDG B
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	116505
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	ABSORBENTS SATURATED WASH OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	116505
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL 7 FUEL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	116505
Update Date:	11/02/2012
Case Number:	7782-44-7

SAN DIEGO TROLLEY, INC (Continued) **S104748609**

Name: OXYGEN
Other Information: WELD SHOP
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: SULFURIC ACID (BATTERY ELECTROLYTE) (1601 NEWTON)
Other Information: SHED
Material Waste: Material
Hazardous Categories 1: EXTREMELY HAZARDOUS
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: MIXTURE
Name: DEGREASERS/CLEANERS/WAS
Other Information: DEGREASER
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL, LUBRICATING, GREASE
Other Information: BLDG B & C
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: BLDG B
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: Not reported
Name: ARGON & ARGON/CO2
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: USED AQUEOUS SOLVENT
Material Waste: Waste

SAN DIEGO TROLLEY, INC (Continued) **S104748609**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: BLDG C-GREASE ROOM
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: LEAD ACID/NICAD (SHED & BLDG B)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: PAINT WASTE (SOLIDS)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 116505
Update Date: 11/02/2012
Case Number: MIXTURE
Name: NICAD BATTERIES
Other Information: STORAGE AREA/SHED
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 116505
Update Date: 11/02/2012
Inspection Date: 06/29/2007
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector's review. 25505(e)
Activity: ACTIVE

SAN DIEGO TROLLEY, INC (Continued) **S104748609**

Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	06/29/2007
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	06/29/2007
Violation Code:	6HV0142
Violation:	DID NOT NOTIFY OF TIERED PERMITTING
Violation Citation:	TIERED PERMITTING: Facility has failed to notify local CUPA and DTSC of eligible onsite treatment of hazardous waste. 25201(a)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	06/29/2007
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	06/29/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	06/29/2007
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	01/25/2011
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	06/29/2007
Violation Code:	6HV0226

SAN DIEGO TROLLEY, INC (Continued) **S104748609**

Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	01/25/2011
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	01/25/2011
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	12/08/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	06/29/2007
Violation Code:	6HV0147
Violation:	UW RECORDS NOT KEPT ONSITE FOR 3 YEARS
Violation Citation:	Failed to keep universal waste record for 3 years for offsite shipment. SQH:66273.19(b)&(c)(2); LQH:66273.39(b)&(c)(2)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	08/30/2005
Violation Code:	6HV0133
Violation:	MANIFEST COPY NOT SENT TO DTSC
Violation Citation:	Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	01/25/2011
Violation Code:	6HV0136
Violation:	NO DISPOSAL RECORDS: BATTERIES
Violation Citation:	Generator has not maintained onsite documentation for lead-acid battery disposal. CCR 66266.81(a)(4)(B)

SAN DIEGO TROLLEY, INC (Continued) **S104748609**

Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	01/25/2011
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	12/08/2003
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	06/29/2007
Violation Code:	6HV0229
Violation:	HW CONTAINERS NOT INSPECTED WEEKLY
Violation Citation:	Failed to conduct weekly inspections. CFR 265.174
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	01/25/2011
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	116505
Update Date:	11/02/2012
Inspection Date:	06/29/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE

H70 **PORT DISTRICT MAINTENANCE** **CA HIST CORTESE** **S105026103**
NNW **825 HARBOR** **N/A**
1/4-1/2 **SAN DEIGO, CA 92101**
0.335 mi.
1769 ft. **Site 5 of 6 in cluster H**

Relative:
Higher

Actual:
18 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3102

H71 **MTS - OLD TOWN LIGHT RAIL EXTENSION** **CA SLIC** **S106916022**
NNW **NONE BENEATH GRAPE AND HAWTHORNE STREETS** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101**
0.342 mi.
1806 ft. **Site 6 of 6 in cluster H**

Relative:
Higher

Actual:
18 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/30/2016
Global Id:	T0608197618
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H86430-002
Latitude:	32.7254508200571
Longitude:	-117.170906066894
Case Type:	Cleanup Program Site
Case Worker:	JC
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

I72 **MINI TRUCK** **CA SLIC** **S104746993**
NE **1700 NEWTON AV** **CA San Diego Co. HMMD** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113** **CA NPDES**
0.345 mi. **CA WDS**
1821 ft. **Site 1 of 2 in cluster I**

Relative:
Higher

Actual:
33 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	10/06/2015
Global Id:	T10000007747
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	DEH2015-LSAM-000331
Latitude:	32.70211
Longitude:	-117.14876
Case Type:	Cleanup Program Site
Case Worker:	EP
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	205320
Business Type:	6HK32
EPA Id Number:	CAL000037162
APN:	538-230-27-00
Last HMMD Inspection:	08/24/2006
Permit Status:	INAC

MINI TRUCK (Continued) **S104746993**

Permit Expiration:	09/30/2009
Facility Owner:	MICHAEL J WOLFE
Facility Address:	1700 NEWTON AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	205320
Update Date:	11/02/2012
Inspection Date:	03/07/2005
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	Inactive Permit

Facility Id:	205320
Update Date:	11/02/2012
Inspection Date:	03/07/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	Inactive Permit

Facility Id:	205320
Update Date:	11/02/2012
Inspection Date:	03/07/2005
Violation Code:	6HV0406
Violation:	CONT PLAN NOT PREPARED/ONSITE
Violation Citation:	Owner/Operator has not prepared an Emergency Contingency Plan, or maintained a copy on site, or submitted a copy to the HMMD. CCR 66265.51(a), 66265.53(a)&(b)
Activity:	Inactive Permit

Facility Id:	205320
Update Date:	11/02/2012
Inspection Date:	03/07/2005
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	Inactive Permit

Facility Id:	205320
Update Date:	11/02/2012
Inspection Date:	03/07/2005
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT

MINI TRUCK (Continued) **S104746993**

Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: Inactive Permit

Facility Id: 211314
Business Type: 6HK32
EPA Id Number: CAL000037162
APN: 538-230-27-00
Last HMMD Inspection: 03/07/2011
Permit Status: EXPR
Permit Expiration: 12/31/2010
Facility Owner: MINI TRUCKS INC
Facility Address: 1700 NEWTON AV
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92113
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 211314
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211314
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211314
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211314
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES

MINI TRUCK (Continued) **S104746993**

Other Information: USED LEAD ACID BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211314
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211314
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 205320
Business Type: 6HK32
EPA Id Number: CAL000037162
APN: 538-230-27-00
Last HMMD Inspection: 08/24/2006
Permit Status: INAC
Permit Expiration: 09/30/2009
Facility Owner: MICHAEL J WOLFE
Facility Address: 1700 NEWTON AV
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92113
UST Owner: Not reported
Handle Regulated Hazmat: N
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Facility Id: 205320
Update Date: 11/02/2012
Inspection Date: 03/07/2005
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: Inactive Permit

Facility Id: 205320
Update Date: 11/02/2012
Inspection Date: 03/07/2005
Violation Code: 6HV0202

MINI TRUCK (Continued) **S104746993**

Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	Inactive Permit
Facility Id:	205320
Update Date:	11/02/2012
Inspection Date:	03/07/2005
Violation Code:	6HV0406
Violation:	CONT PLAN NOT PREPARED/ONSITE
Violation Citation:	Owner/Operator has not prepared an Emergency Contingency Plan, or maintained a copy on site, or submitted a copy to the HMMD. CCR 66265.51(a), 66265.53(a)&(b)
Activity:	Inactive Permit
Facility Id:	205320
Update Date:	11/02/2012
Inspection Date:	03/07/2005
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	Inactive Permit
Facility Id:	205320
Update Date:	11/02/2012
Inspection Date:	03/07/2005
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	Inactive Permit
Facility Id:	110737
Business Type:	6HK26
EPA Id Number:	CAL000037162
APN:	538-230-27-00
Last HMMD Inspection:	06/19/2003
Permit Status:	CHNG
Permit Expiration:	12/31/2005
Facility Owner:	MARION MARTINEZ-MOON
Facility Address:	1700 NEWTON AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113-1014
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported
Facility Id:	211314

MINI TRUCK (Continued) **S104746993**

Business Type:	6HK32
EPA Id Number:	CAL000037162
APN:	538-230-27-00
Last HMMD Inspection:	03/07/2011
Permit Status:	EXPR
Permit Expiration:	12/31/2010
Facility Owner:	MINI TRUCKS INC
Facility Address:	1700 NEWTON AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113
UST Owner:	Not reported
Handle Regulated Hazmat:	N
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	211314
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY ABSORBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	211314
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	211314
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	211314
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	USED LEAD ACID BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	211314
Update Date:	11/02/2012

MINI TRUCK (Continued) **S104746993**

Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	211314
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	218435
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I010308
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	6/2/2009
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	7/8/1993
STATUS CODE NAME:	Terminated
STATUS DATE:	6/2/2009
PLACE SIZE:	12500
PLACE SIZE UNIT:	53
FACILITY CONTACT NAME:	Mike Wolff
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	619-233-3884
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Mini Truck & Cars
OPERATOR ADDRESS:	1700 Newton Ave
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92113
OPERATOR CONTACT NAME:	Mike Wolff
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	619-233-3884
OPERATOR CONTACT PHONE EXT:	Not reported

MINI TRUCK (Continued) **S104746993**

OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	619-233-3884
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Pacific Ocean
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	5015-Motor Vehicle Parts, Used
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	366245
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I022178
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	6/3/2009

MINI TRUCK (Continued) **S104746993**

PROCESSED DATE:	6/4/2009
STATUS CODE NAME:	Active
STATUS DATE:	6/4/2009
PLACE SIZE:	13500
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Regina Martinez
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	619-233-3884
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Mini Trucks Inc DBA Mini Truck Dismantling
OPERATOR ADDRESS:	1700 Newton Ave
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92113
OPERATOR CONTACT NAME:	Regina Martinez
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	619-233-3884
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	999-999-9999
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Storm Drain
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	5015-Motor Vehicle Parts, Used
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001

MINI TRUCK (Continued) **S104746993**

Facility Status:	Terminated
Agency Id:	0
Region:	9
Regulatory Measure Id:	366245
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I022178
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/04/2009
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	07/01/2015
Discharge Name:	Mini Trucks Inc DBA Mini Truck Dismantling
Discharge Address:	1700 Newton Ave
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92113
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported

MINI TRUCK (Continued) **S104746993**

CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

WDS:

Facility ID:	San Diego 37I010308
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	9
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	MARION MARTINEZ
Agency Address:	1700 NEWTON AVE
Agency City,St,Zip:	SAN DIEGO 92113
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to

MINI TRUCK (Continued) **S104746993**

represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

J73 **CA Notify 65** **S100178098**
NE **1640 NEWTON AVE** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.351 mi.
1853 ft. **Site 1 of 4 in cluster J**

Relative:
Higher

Actual:
23 ft.

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported

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74 **FRASER'S BOILER SERVICE, INC.** **CA SAN DIEGO CO. SAM** **S105033343**
ENE **1746 NEWTON AV** **CA SLIC** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113** **CA San Diego Co. HMMD**
0.353 mi.
1862 ft.

Relative:
Higher

Actual:
42 ft.

SAN DIEGO CO. SAM:

Case Number:	H16508-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	6/23/1986
Date Began:	5/30/1986

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/23/1986
Global Id:	T0608138959
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H16508-001
Latitude:	32.701819
Longitude:	-117.14804
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

FRASER'S BOILER SERVICE, INC. (Continued) **S105033343**

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	116508
Business Type:	6HK70
EPA Id Number:	CAL000020343
APN:	538-230-18-00
Last HMMD Inspection:	03/28/2007
Permit Status:	INAC
Permit Expiration:	06/30/2011
Facility Owner:	FRASER'S BOILER SERVICE, INC.
Facility Address:	1746 NEWTON AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113-1014
UST Owner:	FRASER'S BOILER SERVICE, INC.
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 116508 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	116508
Tank Type:	UNKNOWN
Additional Id:	#1
Capacity Gallons:	574
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Violations Inactive Permits:

Facility Id:	116508
Update Date:	11/02/2012
Inspection Date:	09/29/2003
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	Inactive Permit

Facility Id:	116508
Update Date:	11/02/2012
Inspection Date:	09/29/2003
Violation Code:	6HV0406

FRASER'S BOILER SERVICE, INC. (Continued) **S105033343**

Violation:	CONT PLAN NOT PREPARED/ONSITE
Violation Citation:	Owner/Operator has not prepared an Emergency Contingency Plan, or maintained a copy on site, or submitted a copy to the HMMD. CCR 66265.51(a), 66265.53(a)&(b)
Activity:	Inactive Permit
Facility Id:	116508
Update Date:	11/02/2012
Inspection Date:	03/28/2007
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	Inactive Permit
Facility Id:	116508
Update Date:	11/02/2012
Inspection Date:	06/07/2005
Violation Code:	6HV0133
Violation:	MANIFEST COPY NOT SENT TO DTSC
Violation Citation:	Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity:	Inactive Permit
Facility Id:	116508
Update Date:	11/02/2012
Inspection Date:	03/28/2007
Violation Code:	6HV0218
Violation:	FILTERS:FUEL/OIL NOT LABELED OR CLOSED
Violation Citation:	Failed to label &/or close drained used oil filters &/or used fuel filters. 25250.22 and 66266.130(c)(3)
Activity:	Inactive Permit
Facility Id:	116508
Update Date:	11/02/2012
Inspection Date:	03/28/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	Inactive Permit
Facility Id:	116508
Update Date:	11/02/2012
Inspection Date:	03/28/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	Inactive Permit
Facility Id:	116508
Update Date:	11/02/2012
Inspection Date:	09/29/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR

FRASER'S BOILER SERVICE, INC. (Continued) **S105033343**

66265.16(d)&(e)
Activity: Inactive Permit

Facility Id: 116508
Update Date: 11/02/2012
Inspection Date: 03/28/2007
Violation Code: 6HV0226
Violation: HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation: Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity: Inactive Permit

Facility Id: 116508
Update Date: 11/02/2012
Inspection Date: 09/29/2003
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: Inactive Permit

Facility Id: 116508
Update Date: 11/02/2012
Inspection Date: 09/29/2003
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: Inactive Permit

Facility Id: 116508
Update Date: 11/02/2012
Inspection Date: 03/28/2007
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: Inactive Permit

Facility Id: 116508
Business Type: 6HK70
EPA Id Number: CAL000020343
APN: 538-230-18-00
Last HMMD Inspection: 03/28/2007
Permit Status: INAC
Permit Expiration: 06/30/2011
Facility Owner: FRASER'S BOILER SERVICE, INC.
Facility Address: 1746 NEWTON AV
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92113-1014
UST Owner: FRASER'S BOILER SERVICE, INC.
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y

FRASER'S BOILER SERVICE, INC. (Continued) **S105033343**

Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 116508 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 116508
Tank Type: UNKNOWN
Additional Id: #1
Capacity Gallons: 574
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Violations Inactive Permits:
Facility Id: 116508
Update Date: 11/02/2012
Inspection Date: 09/29/2003
Violation Code: 6HV0209
Violation: WASTE ONSITE >90/180/270 DAYS
Violation Citation: Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity: Inactive Permit

Facility Id: 116508
Update Date: 11/02/2012
Inspection Date: 09/29/2003
Violation Code: 6HV0406
Violation: CONT PLAN NOT PREPARED/ONSITE
Violation Citation: Owner/Operator has not prepared an Emergency Contingency Plan, or maintained a copy on site, or submitted a copy to the HMMD. CCR 66265.51(a), 66265.53(a)&(b)
Activity: Inactive Permit

Facility Id: 116508
Update Date: 11/02/2012
Inspection Date: 03/28/2007
Violation Code: 6HV0224
Violation: MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation: Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity: Inactive Permit

Facility Id: 116508
Update Date: 11/02/2012
Inspection Date: 06/07/2005
Violation Code: 6HV0133
Violation: MANIFEST COPY NOT SENT TO DTSC
Violation Citation: Generator of hazardous waste has not sent the appropriate copy of the

FRASER'S BOILER SERVICE, INC. (Continued) **S105033343**

	manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity:	Inactive Permit
Facility Id:	116508
Update Date:	11/02/2012
Inspection Date:	03/28/2007
Violation Code:	6HV0218
Violation:	FILTERS:FUEL/OIL NOT LABELED OR CLOSED
Violation Citation:	Failed to label &/or close drained used oil filters &/or used fuel filters. 25250.22 and 66266.130(c)(3)
Activity:	Inactive Permit
Facility Id:	116508
Update Date:	11/02/2012
Inspection Date:	03/28/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	Inactive Permit
Facility Id:	116508
Update Date:	11/02/2012
Inspection Date:	03/28/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	Inactive Permit
Facility Id:	116508
Update Date:	11/02/2012
Inspection Date:	09/29/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	Inactive Permit
Facility Id:	116508
Update Date:	11/02/2012
Inspection Date:	03/28/2007
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	Inactive Permit
Facility Id:	116508
Update Date:	11/02/2012
Inspection Date:	09/29/2003
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	Inactive Permit

FRASER'S BOILER SERVICE, INC. (Continued) **S105033343**

Facility Id:	116508
Update Date:	11/02/2012
Inspection Date:	09/29/2003
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	Inactive Permit

Facility Id:	116508
Update Date:	11/02/2012
Inspection Date:	03/28/2007
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	Inactive Permit

K75 **NATIONAL PUMP INJECTOR(FORMER)** **CA ENVIROSTOR** **U001572967**
East **1901 MAIN STREET** **CA SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113** **CA SLIC**
0.354 mi. **CA San Diego Co. HMMD**
1868 ft. **Site 1 of 3 in cluster K** **CA SWEEPS UST**
CA HAZNET
Relative: **CA NPDES**
Higher

Actual: ENVIROSTOR:
35 ft.

Facility ID:	37990010
Status:	Refer: 1248 Local Agency
Status Date:	09/12/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	80
Senate:	40
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	32.69841
Longitude:	-117.1463
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	110002678996
Alias Type:	EPA (FRS #)
Alias Name:	37990010
Alias Type:	Envirostor ID Number

NATIONAL PUMP INJECTOR(FORMER) (Continued) **U001572967**

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H11046-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Preliminary Assessment
Date:	8/6/2009
Date Began:	Not reported

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/14/2002
Global Id:	T0608189862
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H11046-001
Latitude:	32.698673
Longitude:	-117.146665
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	10/21/2009
Global Id:	T10000001604
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H11046-002
Latitude:	32.6983691419456
Longitude:	-117.146337032318
Case Type:	Cleanup Program Site
Case Worker:	JC

NATIONAL PUMP INJECTOR(FORMER) (Continued) **U001572967**

Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:
Facility Id: 101089
Business Type: Not reported
EPA Id Number: Not reported
APN: 538-670-36-00
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: A.E.P. CORPORATION
Facility Address: 1901 MAI MAIN ST
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92113-2129
UST Owner: A.E.P. CORPORATION
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 101089 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 101089
Tank Type: UNKNOWN
Additional Id: UG-100
Capacity Gallons: 550
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: 1970-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 24
UST Monitor Method: VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

SWEEPS UST:
Status: Active
Comp Number: 1089
Number: 9
Board Of Equalization: 44-021596
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported

NATIONAL PUMP INJECTOR(FORMER) (Continued) **U001572967**

SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 1089
Number: Not reported
Board Of Equalization: 44-021596
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-001089-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

HAZNET:
envid: U001572967
Year: 2013
GEPAID: CAC002748875
Contact: SCOTT ELLIS
Telephone: 6194818364
Mailing Name: Not reported
Mailing Address: 3375 CAMINO DEL RIO S
Mailing City,St,Zip: SAN DIEGO, CA 921083807
Gen County: San Diego
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.42
Cat Decode: Not reported
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Not reported

NPDES:
Npdes Number: CAS000002
Facility Status: Terminated
Agency Id: 0
Region: 9
Regulatory Measure Id: 404834
Order No: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported

NATIONAL PUMP INJECTOR(FORMER) (Continued) **U001572967**

WDID:	9 37C367140
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/18/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	09/11/2015
Discharge Name:	San Diego Community College District
Discharge Address:	3375 Camino del Rio S
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92108
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported

NATIONAL PUMP INJECTOR(FORMER) (Continued) **U001572967**

CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

K76 **FORMER NATIONAL PUMP AND INJECTOR** **CA SAN DIEGO CO. SAM** **S108407049**
East **1901 MAIN ST** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.354 mi.
1868 ft. **Site 2 of 3 in cluster K**

Relative:
Higher

Actual:
35 ft.

SAN DIEGO CO. SAM:

Case Number:	H11046-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	1/14/2002
Date Began:	8/17/2001

J77 **ACTION CLEANING** **CA LUST** **S104748610**
NE **1604 NEWTON** **CA SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN DIEGO, CA 90000** **CA San Diego Co. HMMD**
0.357 mi. **CA HIST CORTESE**
1886 ft. **Site 2 of 4 in cluster J**

Relative:
Higher

Actual:
22 ft.

LUST:

Region:	STATE
Global Id:	T0607302637
Latitude:	32.703424
Longitude:	-117.150451
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/31/2000
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3877
LOC Case Number:	H16506-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607302637
Status:	Completed - Case Closed
Status Date:	10/31/2000

ACTION CLEANING (Continued) **S104748610**

Global Id: T0607302637
Status: Open - Case Begin Date
Status Date: 12/30/1998

Regulatory Activities:
Global Id: T0607302637
Action Type: Other
Date: 12/30/1998
Action: Leak Stopped

Global Id: T0607302637
Action Type: Other
Date: 12/30/1998
Action: Leak Began

Global Id: T0607302637
Action Type: ENFORCEMENT
Date: 04/08/1999
Action: Notice of Responsibility

Global Id: T0607302637
Action Type: Other
Date: 12/30/1998
Action: Leak Discovery

Global Id: T0607302637
Action Type: Other
Date: 01/29/1999
Action: Leak Reported

SAN DIEGO CO. SAM:
Case Number: H16506-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 10/31/2000
Date Began: 12/30/1998

SAN DIEGO CO. HMMD:
Facility Id: 203602
Business Type: 6HK18
EPA Id Number: CAD980812978
APN: 538-030-42-00
Last HMMD Inspection: 06/10/2004
Permit Status: INAC
Permit Expiration: 11/30/2006
Facility Owner: ROBERTO VICTORIA
Facility Address: 1668 NEWTON AV
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92113
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported

ACTION CLEANING (Continued) **S104748610**

Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Facility Id: 203602
Update Date: 11/02/2012
Inspection Date: 06/10/2004
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: Inactive Permit

Facility Id: 203602
Update Date: 11/02/2012
Inspection Date: 06/10/2004
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: Inactive Permit

Facility Id: 203602
Business Type: 6HK18
EPA Id Number: CAD980812978
APN: 538-030-42-00
Last HMMD Inspection: 06/10/2004
Permit Status: INAC
Permit Expiration: 11/30/2006
Facility Owner: ROBERTO VICTORIA
Facility Address: 1668 NEWTON AV
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92113
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Facility Id: 203602
Update Date: 11/02/2012
Inspection Date: 06/10/2004
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: Inactive Permit

Facility Id: 203602
Update Date: 11/02/2012
Inspection Date: 06/10/2004

ACTION CLEANING (Continued) **S104748610**

Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: Inactive Permit

Facility Id: 116506
Business Type: Not reported
EPA Id Number: Not reported
APN: 538-030-42-00
Last HMMD Inspection: 11/19/1987
Permit Status: INAC
Permit Expiration: 05/21/1999
Facility Owner: MANUEL RODRIGUEZ
Facility Address: 1604 NEWTON AV
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92113-1013
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 116506 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 116506
Tank Type: SINGLE WALL
Additional Id: at4222
Capacity Gallons: 7500
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1998-12-30 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 116506 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 116506
Tank Type: SINGLE WALL
Additional Id: at4222
Capacity Gallons: 4000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1998-12-30 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported

ACTION CLEANING (Continued) **S104748610**

Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3877

J78 **ACTION CLEANING** **CA LUST** **S103547286**
NE **1604 NEWTON AVE** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.357 mi.
1886 ft. **Site 3 of 4 in cluster J**

Relative:
Higher

Actual:
22 ft.

LUST REG 9:
Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3877
Local Case: H16506-001
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 12/30/1998
Date Stopped: 12/30/1998
Confirm Date: 02/01/1999
Submit Workplan: 4/8/99
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 01/29/1999
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: 10’
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

I79
NE
1/4-1/2
0.371 mi.
1957 ft.

1025 SIGSBEE ST.
SAN DIEGO, CA 92113

Site 2 of 2 in cluster I

CA Notify 65 **S100178402**
N/A

Relative:
Higher

Actual:
35 ft.

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported

K80
East
1/4-1/2
0.382 mi.
2019 ft.

MERCADO COMMERCIAL CENTER
1920 MAIN ST
SAN DIEGO, CA 92113

Site 3 of 3 in cluster K

CA SAN DIEGO CO. SAM **S104755426**
CA SLIC **N/A**
CA San Diego Co. HMMD

Relative:
Higher

Actual:
38 ft.

SAN DIEGO CO. SAM:

Case Number:	H36157-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	3/12/2007
Date Began:	3/28/1996

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/12/2007
Global Id:	T0608182788
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H36157-001
Latitude:	32.699298
Longitude:	-117.145532
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	136157
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	538-671-14-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	CITY OF SAN DIEGO REDEVELOP AG

MERCADO COMMERCIAL CENTER (Continued) **S104755426**

Facility Address:	1200 3RD AV CC REDEV AGCY 1620
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

L81 **CITY OF SAN DIEGO** **CA SAN DIEGO CO. SAM** **S104750830**
NNW **800 HARBOR DR** **CA SLIC** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101** **CA San Diego Co. HMMD**
0.386 mi.
2036 ft. **Site 1 of 3 in cluster L**

Relative:
Higher

Actual:
22 ft.

SAN DIEGO CO. SAM:

Case Number:	H25938-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Complaint
Facility Status:	Remedial Action (Clean-Up)
Date:	7/7/1990
Date Began:	7/7/1990

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/30/2011
Global Id:	T0608119024
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H25938-001
Latitude:	32.713306
Longitude:	-117.172954
Case Type:	Cleanup Program Site
Case Worker:	SW
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	This case was opened in January 1991 when a section of abandoned Unocal pipeline was removed in order to install a new sewer line. BTEX were discovered in soils surrounding the pipeline. The telephone conversation note of Alec Naugle of DEH indicates that the work was completed to the satisfaction of DEH, therefore we are closing this case.

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	125938
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	535-570-14-00

CITY OF SAN DIEGO (Continued) **S104750830**

Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	CITY OF SAN DIEGO
Facility Address:	N CRNR 8TH & HARBOR DR
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

82
NW
1/4-1/2
0.388 mi.
2051 ft.

TOSCO IDLE PIPELINE
8TH STREET/HARBOR AVE.
SAN DIEGO, CA 92101

CA ENVIROSTOR **S106797705**
N/A

Relative:
Higher

Actual:
15 ft.

ENVIROSTOR:

Facility ID:	37130001
Status:	Refer: 1248 Local Agency
Status Date:	05/31/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	76
Senate:	Not reported
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	0
Longitude:	0
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	37130001
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	SB 1248 Notification
Completed Date:	05/31/2001
Comments:	SB 1248 San Diego County

TOSCO IDLE PIPELINE (Continued) **S106797705**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

J83 **CENTRAL MEAT AND PROVISION COM** **CA LUST** **S105033339**
NE **1603 NATIONAL AVENUE** **CA SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113** **CA San Diego Co. HMMD**
0.390 mi. **CA SWEEPS UST**
2061 ft. **Site 4 of 4 in cluster J** **CA HIST UST**

Relative:
Higher

Actual:
22 ft.

LUST:

Region:	STATE
Global Id:	T0607399070
Latitude:	32.7036462004078
Longitude:	-117.149995565414
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/24/2003
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT4059
LOC Case Number:	H21206-001
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607399070
Status:	Completed - Case Closed
Status Date:	09/24/2003
Global Id:	T0607399070
Status:	Open - Case Begin Date
Status Date:	04/27/2000

Regulatory Activities:

Global Id:	T0607399070
Action Type:	Other
Date:	04/27/2000
Action:	Leak Reported
Global Id:	T0607399070
Action Type:	Other
Date:	04/27/2000
Action:	Leak Stopped
Global Id:	T0607399070
Action Type:	Other

CENTRAL MEAT AND PROVISION COM (Continued) **S105033339**

Date: 04/27/2000
Action: Leak Began

Global Id: T0607399070
Action Type: Other
Date: 04/27/2000
Action: Leak Discovery

SAN DIEGO CO. SAM:
Case Number: H21206-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 9/24/2003
Date Began: 4/27/2000

SAN DIEGO CO. HMMD:
Facility Id: 121206
Business Type: 6HK70
EPA Id Number: Not reported
APN: 538-030-29-00
Last HMMD Inspection: 06/15/2011
Permit Status: OPEN
Permit Expiration: 06/30/2013
Facility Owner: CENTRAL MEAT AND PROVISION CO
Facility Address: 1603 NATIONAL AV
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92113-1008
UST Owner: CENTRAL MEAT AND PROVISION CO
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 121206 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 121206
Tank Type: SINGLE WALL
Additional Id: AT4562
Capacity Gallons: 2000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: Not reported
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 06
UST Monitor Method: SW TANK SW SUCTION PIPE W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK TEST ANNUAL (EXEMPT IF UST < 551 GAL), PIPE TEST TRIENNIALLY

CENTRAL MEAT AND PROVISION COM (Continued) **S105033339**

Active Permits:

Facility Id:	121206
Update Date:	11/02/2012
Case Number:	8042-47-5
Name:	MINERAL OIL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	121206
Update Date:	11/02/2012
Case Number:	mixture
Name:	CARBOCHLOR (HOTSY)CLEANER
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	121206
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	OXYGEN 70%/CARBON DIOXIDE 30%
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	CHRONIC

Violations Active Permits:

Facility Id:	121206
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE

SWEEPS UST:

Status:	Active
Comp Number:	21206
Number:	9
Board Of Equalization:	44-023481
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021206-000001
Tank Status:	A
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	1

CENTRAL MEAT AND PROVISION COM (Continued) **S105033339**

HIST UST:

File Number:	0002ADA5
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002ADA5.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

84
ENE
1/4-1/2
0.395 mi.
2085 ft.

LOGAN HEIGHTS FAMILY HEALTH CT
1809 NATIONAL AV
SAN DIEGO, CA 92113

CA SAN DIEGO CO. SAM **S104748251**
CA SLIC **N/A**
CA San Diego Co. HMMD

Relative:
Higher

Actual:
47 ft.

SAN DIEGO CO. SAM:

Case Number:	H14412-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	1/16/1992
Date Began:	8/28/1991

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/16/1992
Global Id:	T0608106734
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H14412-001
Latitude:	32.701523
Longitude:	-117.146535
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

LOGAN HEIGHTS FAMILY HEALTH CT (Continued) **S104748251**

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	114412
Business Type:	6HK58
EPA Id Number:	CAL000098710
APN:	538-240-01-00
Last HMMD Inspection:	07/06/2011
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	FAMILY HEALTH CENTERS OF SAN DIEGO
Facility Address:	1809 NATIONAL AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113-2113
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	N

Active Permits:

Facility Id:	114412
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	EXPIRED DRUGS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114412
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114412
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114412
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 905 INFECTIOUS WASTE, LAB
Other Information:	CULTURE PLATES

LOGAN HEIGHTS FAMILY HEALTH CT (Continued) **S104748251**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114412
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: DENTAL CLINIC 2ND FLOOR
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 114412
Update Date: 11/02/2012
Inspection Date: 05/30/2008
Violation Code: 6HV4204
Violation: WARNING SIGN NOT POSTED
Violation Citation: MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity: ACTIVE

Facility Id: 114412
Update Date: 11/02/2012
Inspection Date: 09/14/2007
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 114412
Update Date: 11/02/2012
Inspection Date: 05/30/2008
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 114412
Update Date: 11/02/2012
Inspection Date: 05/30/2008
Violation Code: 6HV0407
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity: ACTIVE

Facility Id: 114412
Update Date: 11/02/2012
Inspection Date: 09/14/2007
Violation Code: 6HV4423
Violation: PHARM WASTE >90 DAYS ONSITE
Violation Citation: Storage time exceeded for pharmaceutical waste, greater than 90 days

LOGAN HEIGHTS FAMILY HEALTH CT (Continued) **S104748251**

	when container is full, or stored longer than one year (max. allowable time). 118280(e)
Activity:	ACTIVE
Facility Id:	114412
Update Date:	11/02/2012
Inspection Date:	09/14/2007
Violation Code:	6HV4208
Violation:	SHARPS CONTAINER: NO TAPED SHUT
Violation Citation:	Full sharps container ready for disposal not taped closed or tightly-lidded to preclude loss of contents. 118285(b)
Activity:	ACTIVE
Facility Id:	114412
Business Type:	6HK58
EPA Id Number:	CAL000098710
APN:	538-240-01-00
Last HMMD Inspection:	07/06/2011
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	FAMILY HEALTH CENTERS OF SAN DIEGO
Facility Address:	1809 NATIONAL AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113-2113
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Active Permits:

Facility Id:	114412
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	EXPIRED DRUGS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	114412
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	114412
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported

LOGAN HEIGHTS FAMILY HEALTH CT (Continued) **S104748251**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114412
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 905 INFECTIOUS WASTE, LAB
Other Information: CULTURE PLATES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114412
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: DENTAL CLINIC 2ND FLOOR
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 114412
Update Date: 11/02/2012
Inspection Date: 05/30/2008
Violation Code: 6HV4204
Violation: WARNING SIGN NOT POSTED
Violation Citation: MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity: ACTIVE

Facility Id: 114412
Update Date: 11/02/2012
Inspection Date: 09/14/2007
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 114412
Update Date: 11/02/2012
Inspection Date: 05/30/2008
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 114412
Update Date: 11/02/2012
Inspection Date: 05/30/2008
Violation Code: 6HV0407
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Employee training program for small quantity generator of hazardous

LOGAN HEIGHTS FAMILY HEALTH CT (Continued) **S104748251**

	waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Facility Id:	114412
Update Date:	11/02/2012
Inspection Date:	09/14/2007
Violation Code:	6HV4423
Violation:	PHARM WASTE >90 DAYS ONSITE
Violation Citation:	Storage time exceeded for pharmaceutical waste, greater than 90 days when container is full, or stored longer than one year (max. allowable time). 118280(e)
Activity:	ACTIVE
Facility Id:	114412
Update Date:	11/02/2012
Inspection Date:	09/14/2007
Violation Code:	6HV4208
Violation:	SHARPS CONTAINER: NO TAPED SHUT
Violation Citation:	Full sharps container ready for disposal not taped closed or tightly-lidded to preclude loss of contents. 118285(b)
Activity:	ACTIVE
Facility Id:	114412
Business Type:	6HK58
EPA Id Number:	CAL000098710
APN:	538-240-01-00
Last HMMD Inspection:	07/06/2011
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	FAMILY HEALTH CENTERS OF SAN DIEGO
Facility Address:	1809 NATIONAL AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113-2113
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	114412
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	EXPIRED DRUGS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	114412
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	Not reported

LOGAN HEIGHTS FAMILY HEALTH CT (Continued) **S104748251**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114412
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114412
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 905 INFECTIOUS WASTE, LAB
Other Information: CULTURE PLATES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114412
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: DENTAL CLINIC 2ND FLOOR
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 114412
Update Date: 11/02/2012
Inspection Date: 05/30/2008
Violation Code: 6HV4204
Violation: WARNING SIGN NOT POSTED
Violation Citation: MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity: ACTIVE

Facility Id: 114412
Update Date: 11/02/2012
Inspection Date: 09/14/2007
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 114412
Update Date: 11/02/2012
Inspection Date: 05/30/2008
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name,

LOGAN HEIGHTS FAMILY HEALTH CT (Continued) **S104748251**

address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 114412
Update Date: 11/02/2012
Inspection Date: 05/30/2008
Violation Code: 6HV0407
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity: ACTIVE

Facility Id: 114412
Update Date: 11/02/2012
Inspection Date: 09/14/2007
Violation Code: 6HV4423
Violation: PHARM WASTE >90 DAYS ONSITE
Violation Citation: Storage time exceeded for pharmaceutical waste, greater than 90 days when container is full, or stored longer than one year (max. allowable time). 118280(e)
Activity: ACTIVE

Facility Id: 114412
Update Date: 11/02/2012
Inspection Date: 09/14/2007
Violation Code: 6HV4208
Violation: SHARPS CONTAINER: NO TAPED SHUT
Violation Citation: Full sharps container ready for disposal not taped closed or tightly-lidded to preclude loss of contents. 118285(b)
Activity: ACTIVE

L85 **SDGE/STATION** **CA LUST** **S106915862**
NNW **45 09TH AV** **CA SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101** **CA SLIC**
0.396 mi. **CA San Diego Co. HMMD**
2093 ft. **Site 2 of 3 in cluster L**

Relative:
Higher

Actual:
22 ft.

LUST:
Region: STATE
Global Id: T0607301446
Latitude: 32.7059017
Longitude: -117.1563141
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/10/2000
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT2695
LOC Case Number: H32310-001
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SDGE/STATION (Continued) **S106915862**

Status History:
Global Id: T0607301446
Status: Completed - Case Closed
Status Date: 05/10/2000

Global Id: T0607301446
Status: Open - Case Begin Date
Status Date: 12/02/1993

Regulatory Activities:
Global Id: T0607301446
Action Type: ENFORCEMENT
Date: 05/08/2000
Action: Closure/No Further Action Letter - #H32310-001

Global Id: T0607301446
Action Type: Other
Date: 12/02/1993
Action: Leak Stopped

Global Id: T0607301446
Action Type: Other
Date: 12/02/1993
Action: Leak Began

Global Id: T0607301446
Action Type: ENFORCEMENT
Date: 02/04/1994
Action: Notice of Responsibility

Global Id: T0607301446
Action Type: Other
Date: 12/02/1993
Action: Leak Discovery

Global Id: T0607301446
Action Type: Other
Date: 12/02/1993
Action: Leak Reported

SAN DIEGO CO. SAM:
Case Number: H32310-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 5/10/2000
Date Began: 12/2/1993

Case Number: H32310-002
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 6/21/2000

SDGE/STATION (Continued) **S106915862**

Date Began: 5/8/1996

Case Number: H32310-003
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 4/6/2000
Date Began: 3/28/2000

Case Number: H32310-004
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Complaint
Facility Status: Leak Being Confirmed
Date: 6/7/2000
Date Began: 6/7/2000

Case Number: H32310-005
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 7/30/2001
Date Began: 6/23/2000

Case Number: H32310-006
Agency: DEH Site Assessment & Mitigation
Funding: **Private - Site Designation**
Facility Type: Soils Only
Facility Status: Remedial Investigation
Date: 8/1/2001
Date Began: 8/1/2001

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 04/06/2000
Global Id: T0608177280
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H32310-003
Latitude: 32.7058445065106
Longitude: -117.155606746674
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 07/30/2001

SDGE/STATION (Continued) **S106915862**

Global Id:	T0608189370
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H32310-005
Latitude:	32.7058625621886
Longitude:	-117.154748439789
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Heating Oil / Fuel Oil
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	08/01/2001
Global Id:	T0608179307
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H32310-006
Latitude:	32.7054833921825
Longitude:	-117.154748439789
Case Type:	Cleanup Program Site
Case Worker:	KH
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	SDG&E administrative file to handle issues for SDG&E within the East Village Redevelopment Area.

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/21/2000
Global Id:	T0608181695
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H32310-002
Latitude:	32.7055556151651
Longitude:	-117.15556383133
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Heating Oil / Fuel Oil
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Open - Site Assessment**

SDGE/STATION (Continued) **S106915862**

Status Date:	06/07/2000
Global Id:	T0608115157
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H32310-004
Latitude:	32.7058625621886
Longitude:	-117.155231237411
Case Type:	Cleanup Program Site
Case Worker:	KH
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Heating Oil / Fuel Oil
Site History:	SDG&E installed a free-product barrier along the southern property boundary. This case was opened to make sure the soil, groundwater and free-product impacts that remain off-site to the south are documented and the integrity of the barrier should not be disturbed. SDG&E is aware of their responsibilities and the MTS is aware of the conditions.

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	132310
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	538-010-22-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	SDG&E
Facility Address:	168 10TH AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 132310 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	132310
Tank Type:	Not reported
Additional Id:	AT4822
Capacity Gallons:	Not reported
UST Contents:	Not reported
Other Content Info:	Not reported
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported

SDGE/STATION (Continued) **S106915862**

Monitor Code: Not reported
UST Monitor Method: Not reported

UST Name: UNDERGROUND TANK 132310 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 132310
Tank Type: Not reported
Additional Id: AT4822
Capacity Gallons: Not reported
UST Contents: Not reported
Other Content Info: Not reported
Reg Status: REMOVED
Remove Close Date: Not reported
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: Not reported
UST Monitor Method: Not reported

UST Name: UNDERGROUND TANK 132310 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 132310
Tank Type: Not reported
Additional Id: AT4822
Capacity Gallons: Not reported
UST Contents: Not reported
Other Content Info: Not reported
Reg Status: REMOVED
Remove Close Date: Not reported
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: Not reported
UST Monitor Method: Not reported

UST Name: UNDERGROUND TANK 132310 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 132310
Tank Type: Not reported
Additional Id: AT4822
Capacity Gallons: Not reported
UST Contents: Not reported
Other Content Info: Not reported
Reg Status: REMOVED
Remove Close Date: Not reported
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: Not reported
UST Monitor Method: Not reported

UST Name: UNDERGROUND TANK 132310 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 132310
Tank Type: Not reported
Additional Id: AT4822
Capacity Gallons: Not reported

SDGE/STATION (Continued) **S106915862**

UST Contents:	Not reported
Other Content Info:	Not reported
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	Not reported
UST Monitor Method:	Not reported

M86 **PEPPER INDUSTRIES INC** **CA SAN DIEGO CO. SAM** **1000346321**
NNE **1501 NATIONAL AVE** **CA SLIC** **CAD054783220**
1/4-1/2 **SAN DIEGO, CA 92113** **CA San Diego Co. HMMD**
0.398 mi. **RCRA NonGen / NLR**
2100 ft. **Site 1 of 4 in cluster M** **FINDS**
ECHO

Relative:
Higher

Actual:
22 ft.

SAN DIEGO CO. SAM:

Case Number:	H14546-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	10/25/1994
Date Began:	9/20/1994

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	10/25/1994
Global Id:	T0608104175
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H14546-001
Latitude:	32.7049017292773
Longitude:	-117.151569062243
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	114546
Business Type:	Not reported
EPA Id Number:	CAD054783220
APN:	535-616-08-00
Last HMMD Inspection:	05/11/1987
Permit Status:	INAC
Permit Expiration:	05/11/1987
Facility Owner:	PAUL PEPPER
Facility Address:	110 W C ST #110

PEPPER INDUSTRIES INC (Continued) **1000346321**

Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92101-3905
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

RCRA NonGen / NLR:
Date form received by agency: 07/08/1986
Facility name: PEPPER INDUSTRIES INC
Facility address: 1501 NATIONAL AVE
SAN DIEGO, CA 92113
EPA ID: CAD054783220
Mailing address: NATIONAL AVE
SAN DIEGO, CA 92113
Contact: ENVIRONMENTAL MANAGER
Contact address: 1501 NATIONAL AVE
SAN DIEGO, CA 92113
Contact country: US
Contact telephone: (619) 234-3361
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: PAUL W PEPPER
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No

PEPPER INDUSTRIES INC (Continued) **1000346321**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002649974

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

ECHO:
Envid: 1000346321
Registry ID: 110002649974
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002649974

N87 **SAN DIEGO GAS WORKS** **EDR MGP** **1008407750**
North **9TH STREET BTWN IMPERIAL AND COMMERCIAL** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101**
0.399 mi.
2106 ft. **Site 1 of 2 in cluster N**

Relative:
Higher

Actual:
22 ft.

Manufactured Gas Plants:
Alternate Name:CONSOLIDATED GAS AND ELECTRIC. No additional information available

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O88 **GRAYBILL TERMINAL(FORMER)** **CA ENVIROSTOR** **S106797717**
NNE **1551 NATIONAL AVENUE** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.403 mi.
2126 ft. **Site 1 of 5 in cluster O**

Relative:
Higher

Actual:
22 ft.

ENVIROSTOR:
Facility ID: 37510139
Status: Refer: 1248 Local Agency
Status Date: 03/18/2004
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported

GRAYBILL TERMINAL(FORMER) (Continued) **S106797717**

NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	79
Senate:	Not reported
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	0
Longitude:	0
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	37510139
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

O89 **FORMER GRAYBILL TERMINAL** **CA SAN DIEGO CO. SAM** **S104746152**
NNE **1531 NATIONAL AVENUE** **CA SLIC** **N/A**
1/4-1/2 **SAN DIEGO, CA 92112** **CA San Diego Co. HMMD**
0.403 mi. **CA ENF**
2127 ft. **Site 2 of 5 in cluster O** **CA HIST CORTESE**
CA NPDES

Relative:
Higher

Actual:
22 ft.

SAN DIEGO CO. SAM:

Case Number:	H05324-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	8/19/1987
Date Began:	8/22/1986
Case Number:	H05324-003
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**

FORMER GRAYBILL TERMINAL (Continued) **S104746152**

Facility Type: Soils Only
Facility Status: Closed Case
Date: 6/11/2007
Date Began: 3/16/2004

Case Number: H05324-002
Agency: CA Regional Water Quality Control Board
Funding: **Non Billable**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 3/19/1999
Date Began: 1/1/1993

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 08/19/1987
Global Id: T0607300795
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H05324-001
Latitude: 32.7042969091288
Longitude: -117.151138836905
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT202
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 06/11/2007
Global Id: SLT19759516
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H05324-003
Latitude: 32.704103649873
Longitude: -117.151128348276
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:
Facility Id: 105324
Business Type: Not reported
EPA Id Number: CAX000046631

FORMER GRAYBILL TERMINAL (Continued) **S104746152**

APN:	535-616-05-00
Last HMMD Inspection:	01/09/1991
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	GRAYSON BOEHM ESTATE
Facility Address:	3104 05TH AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92103-
UST Owner:	GRAYBILL TERMINALS CO
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 105324 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	105324
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	500
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	24
UST Monitor Method:	VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

UST Name:	UNDERGROUND TANK 105324 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	105324
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

ENF:

Region:	9
Facility Id:	227841
Agency Name:	Graybill Terminals Inc
Place Type:	Facility

FORMER GRAYBILL TERMINAL (Continued) **S104746152**

Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	517
SIC Desc 1:	Petroleum and Petroleum Products
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	AGT
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000048N91
Reg Measure Id:	160465
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I

FORMER GRAYBILL TERMINAL (Continued) **S104746152**

Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221083
Region:	9
Order / Resolution Number:	92-008A2
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	11/08/1993
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000048N91
Description:	FINAL CLEANUP BY 01JAN95
Program:	AGT
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	WBC&D
Reg Id:	9 000048N91

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT202

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	307322
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C342872
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	9/2/2010
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported

FORMER GRAYBILL TERMINAL (Continued) **S104746152**

Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	8/4/2006
STATUS CODE NAME:	Terminated
STATUS DATE:	9/2/2010
PLACE SIZE:	3.88
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Gary Runnells
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	310-522-1168
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Graybill Ventures LLC
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Individual
DEVELOPER NAME:	American Integrated Services Inc
DEVELOPER ADDRESS:	1520 E Opp St
DEVELOPER CITY:	Wilmington
DEVELOPER STATE:	California
DEVELOPER ZIP:	90744
DEVELOPER CONTACT NAME:	Gary Runnells
DEVELOPER CONTACT TITLE:	VP
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Soil Remed
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

FORMER GRAYBILL TERMINAL (Continued) **S104746152**

Npdes Number:	CAG919001
Facility Status:	Historical
Agency Id:	395808
Region:	9
Regulatory Measure Id:	321992
Order No:	Not reported
Regulatory Measure Type:	Enrollee
Place Id:	638429
WDID:	Not reported
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	05/02/2008
Effective Date Of Regulatory Measure:	05/02/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/30/2015
Discharge Name:	Merlone Geier Partners LP
Discharge Address:	425 California Street 11th Fl
Discharge City:	San Francisco
Discharge State:	CA
Discharge Zip:	94104-2113
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported

FORMER GRAYBILL TERMINAL (Continued) **S104746152**

CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

O90 **GRAYBILL TERMINALS CO.** **CA SLIC** **S113804549**
NNE **1531 NATIONAL AVENUE** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.403 mi.
2127 ft. **Site 3 of 5 in cluster O**

Relative:
Higher

Actual:
22 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/19/1999
Global Id:	SL372914239
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	H05324-002
Latitude:	32.70486
Longitude:	-117.149
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	2090100
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

O91 **GRAYBILL TERMINALS** **CA LUST** **S105035569**
NNE **1531 NATIONAL AVE** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.403 mi.
2127 ft. **Site 4 of 5 in cluster O**

Relative:
Higher

Actual:
22 ft.

P92 **METROPOLITAN TRANSIT DEV BOARD** **CA SAN DIEGO CO. SAM** **S104751108**
North **1255 IMPERIAL AV** **CA San Diego Co. HMMD** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101** **CA ENF**
0.404 mi.
2132 ft. **Site 1 of 4 in cluster P**

Relative:
Higher

Actual:
21 ft.

SAN DIEGO CO. SAM:

Case Number:	H26572-001
Agency:	CA Regional Water Quality Control Board
Funding:	**Private - VAP**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	9/14/1995
Date Began:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	210785
Business Type:	6HK52
EPA Id Number:	CALXXXXXXXXX
APN:	538-010-33-00
Last HMMD Inspection:	12/06/2010
Permit Status:	TEMP
Permit Expiration:	05/31/2010
Facility Owner:	COSD HAZARDOUS MATERIALS DIVISION
Facility Address:	1255 IMPERIAL AVE
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Y

Active Permits:

Facility Id:	210785
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON - LAR
Other Information:	ARGON - LAR
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	210785
Update Date:	11/02/2012
Case Number:	25340-17-4
Name:	DIETHYLBENZENE
Other Information:	DOWNTHERM J COOLANT
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	210785
Update Date:	11/02/2012
Case Number:	78-40-0
Name:	TRIETHYL PHOSPHATE - TEPO

METROPOLITAN TRANSIT DEV BOARD (Continued) **S104751108**

Other Information: TRIETHYL PHOSPHATE - TEPO
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 210785
Update Date: 11/02/2012
Case Number: 512-56-1
Name: TRIMETHYL PHOSPHATE - TMPO
Other Information: TRIMETHYL PHOSPHATE - TMPO
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 210785
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON COMPRESSED
Other Information: ARGON COMPRESSED GAS
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 210785
Update Date: 11/02/2012
Case Number: 150-46-2
Name: TRIETHYLBORATE - TEB
Other Information: TRIETHYLBORATE - TEB
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 210785
Update Date: 11/02/2012
Case Number: 099-87-6
Name: ALPHA-TERPINENE - ATRP
Other Information: ALPHA-TERPINENE - ATRP
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 210785
Update Date: 11/02/2012
Case Number: TRADE SECRET
Name: AP LTO 520
Other Information: AP LTO 520
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Facility Id: 210785
Update Date: 11/02/2012
Case Number: 186598-40-3
Name: BIS (TERT-BUTYLAMINO) SILANE - BTBAS
Other Information: BIS (TERT-BUTYLAMINO) SILANE - BTBAS
Material Waste: Material
Hazardous Categories 1: REACTIVE

METROPOLITAN TRANSIT DEV BOARD (Continued) **S104751108**

Hazardous Categories 2: ACUTE

Facility Id: 210785
Update Date: 11/02/2012
Case Number: 121-45-6
Name: TRIMETHYL PHOSPHITE - TMPI
Other Information: TRIMETHYL PHOSPHITE - TMPI
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 210785
Update Date: 11/02/2012
Case Number: 132259-10-0
Name: AIR
Other Information: AIR COMPRESSED
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 210785
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 210785
Update Date: 11/02/2012
Case Number: 754-05-2
Name: TMVS
Other Information: TMVS
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 210785
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: PARTS WASHER, FILTERS (5)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 210785
Update Date: 11/02/2012
Case Number: 156-60-5
Name: 1,2-TRANS-DICHLOROETHYLENE
Other Information: TRANS - LC
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 210785

METROPOLITAN TRANSIT DEV BOARD (Continued) **S104751108**

Update Date: 11/02/2012
Case Number: 2370-88-9
Name: TOMCATS
Other Information: TETRAMETHYLCYCLOTETRASILOXANE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 210785
Update Date: 11/02/2012
Case Number: 121-43-7
Name: TRIMETHYLBORATE
Other Information: TRIMETHYLBORATE - TMB
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 210785
Update Date: 11/02/2012
Case Number: 1333-74-0
Name: HYDROGEN
Other Information: ANHYDROUS HYDROGEN
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 210785
Update Date: 11/02/2012
Case Number: 3275-24-9
Name: TETRAKIS (DIMETHYLAMINE) TITANIUM - TDMAT
Other Information: TETRAKIS (DIMETHYLAMINE) TITANIUM - TDMAT
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Facility Id: 210785
Update Date: 11/02/2012
Case Number: 7550-45-0
Name: TITANIUM TETRACHLORIDE - TICI
Other Information: TITANIUM TETRACHLORIDE - TICI
Material Waste: Material
Hazardous Categories 1: EXTREMELY HAZARDOUS
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 210785
Update Date: 11/02/2012
Inspection Date: 12/06/2010
Violation Code: 6HV0134
Violation: NO EXCEPTION REPORT TO DTSC
Violation Citation: Generator has not filed a report with DTSC/CAL-EPA stating that the manifest copy from the disposal facility was not received. CCR 66262.42
Activity: TEMP

Facility Id: 210785
Update Date: 11/02/2012

METROPOLITAN TRANSIT DEV BOARD (Continued) **S104751108**

Inspection Date: 11/15/2010
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: TEMP

Facility Id: 210785
Update Date: 11/02/2012
Inspection Date: 12/01/2010
Violation Code: 6HV0138
Violation: NO TSDF SIGNED MANIFEST ONSITE
Violation Citation: Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity: TEMP

Facility Id: 210785
Update Date: 11/02/2012
Inspection Date: 12/01/2010
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: TEMP

Facility Id: 210785
Update Date: 11/02/2012
Inspection Date: 11/15/2010
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: TEMP

Facility Id: 210785
Update Date: 11/02/2012
Inspection Date: 12/06/2010
Violation Code: 6HV0141
Violation: OPERATING TSDF W/O AUTHORIZATION
Violation Citation: Operating a Treatment, Storage, Disposal Facility without receiving written authorization from Cal-EPA. HSC 25201(a)
Activity: TEMP

Facility Id: 210785
Update Date: 11/02/2012
Inspection Date: 12/06/2010
Violation Code: 6HV4207
Violation: SHARPS IMPROPERLY CONTAINED
Violation Citation: Generator did not store sharps waste in approved and properly marked sharps container. 118285(a)(d)
Activity: TEMP

Facility Id: 210785
Update Date: 11/02/2012
Inspection Date: 12/06/2010
Violation Code: 6HV4209

METROPOLITAN TRANSIT DEV BOARD (Continued) **S104751108**

Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: TEMP

Facility Id: 210785
Update Date: 11/02/2012
Inspection Date: 12/06/2010
Violation Code: 6HV0238
Violation: FAILED TO MANAGE UW IN A MANNER TO PREVE
Violation Citation: Failed to manage UW in a manner to prevent release(s) to the environment. 66273.33 & 66273.33.5
Activity: TEMP

Facility Id: 210785
Update Date: 11/02/2012
Inspection Date: 11/15/2010
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: TEMP

Facility Id: 210785
Update Date: 11/02/2012
Inspection Date: 12/01/2010
Violation Code: 6HV0410
Violation: FACILITY W/O INTERNAL COMM/ALARM
Violation Citation: Small quantity generator of hazardous waste failed to equip facility with internal communication or alarm. CFR 265.32(a) & (b)
Activity: TEMP

Facility Id: 210785
Update Date: 11/02/2012
Inspection Date: 12/06/2010
Violation Code: 6HV6101
Violation: NO ANNUAL CLOSURE COST
Violation Citation: Operator failed to adjust the closure cost estimate annually. CCR 67450.30(b)(1).
Activity: TEMP

Facility Id: 210785
Update Date: 11/02/2012
Inspection Date: 12/06/2010
Violation Code: 6HV1746
Violation: NO FIN. ASSUR OR NOT UPDATED/ADEQUATE
Violation Citation: Financial assurance not obtained, not updated annually or inadequate for sum of closure cost estimates using appropriate mechanism (i.e. trust fund, surety bond, insurance, self-certification) showing each unit's estimated closure costs. {67450.13; 66265.143} Requires submittal of UPC form, "Certification of Financial Assurance per 67450.13(b)"
Activity: TEMP

Facility Id: 126572
Business Type: Not reported

METROPOLITAN TRANSIT DEV BOARD (Continued) **S104751108**

EPA Id Number:	Not reported
APN:	538-010-33-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	METROPOLITAN TRANSIT DEV BOARD
Facility Address:	11TH & IMPERIAL AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	133352
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	538-010-33-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	10/31/2002
Facility Owner:	COUNTY OF SD
Facility Address:	1255 IMPERIAL AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	151398
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	538-010-33-00
Last HMMD Inspection:	05/11/1990
Permit Status:	INAC
Permit Expiration:	05/11/1990
Facility Owner:	COUNTY OF SAN DIEGO
Facility Address:	1255 IMPERIAL AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101-7440
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

METROPOLITAN TRANSIT DEV BOARD (Continued) **S104751108**

ENF:

Region:	9
Facility Id:	226955
Agency Name:	San Diego Cnty Dept of Environmental Health LOP
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	County Agency
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000546N05
Reg Measure Id:	149646
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported

METROPOLITAN TRANSIT DEV BOARD (Continued) **S104751108**

WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	256592
Region:	9
Order / Resolution Number:	R9-2005-0157
Enforcement Action Type:	13267 Letter
Effective Date:	05/23/2005
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 9 000546N05
Description:	GENERAL ORDER UNDER WC 13225, TO LOP REQURING COMPLIANCE WITH ELECTRONIC REPORTING REGULATIONS BEFORE SUBMITTING LOP CASES FOR REVIEW BY RB STAFF AND SPECIFYING MIN INFO FOR CONSIDERATION OF RISK BASED CLOSURE OF LOP CASES.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Q93 **CA Notify 65** **S100178362**
NE **1702 NATIONAL AVE** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.412 mi.
2176 ft. **Site 1 of 2 in cluster Q**

Relative:
Higher

Actual:
40 ft.

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported

Q94
NE
1/4-1/2
0.412 mi.
2176 ft.

SUPER WELDING OF SO. CA., INC.
1702 NATIONAL AV
SAN DIEGO, CA 92123

Site 2 of 2 in cluster Q

CA SAN DIEGO CO. SAM **S108407264**
CA SLIC **N/A**

Relative:
Higher

Actual:
40 ft.

SAN DIEGO CO. SAM:

Case Number:	H16472-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	3/28/2006
Date Began:	Not reported

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/28/2006
Global Id:	T06019741983
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H16472-001
Latitude:	32.703069
Longitude:	-117.14797
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

R95
East
1/4-1/2
0.414 mi.
2188 ft.

A.O. REED
1990 MAIN
SAN DIEGO, CA 92002

Site 1 of 2 in cluster R

CA LUST **S103639397**
CA SAN DIEGO CO. SAM **N/A**
CA San Diego Co. HMMD
CA SWEEPS UST
CA HIST CORTESE

Relative:
Higher

Actual:
38 ft.

LUST:

Region:	STATE
Global Id:	T0607300114
Latitude:	32.6984891173947
Longitude:	-117.145261678439
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/21/1989
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1106
LOC Case Number:	H00841-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

A.O. REED (Continued) **S103639397**

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300114
Status:	Completed - Case Closed
Status Date:	03/21/1989
Global Id:	T0607300114
Status:	Open - Case Begin Date
Status Date:	12/15/1988

Regulatory Activities:

Global Id:	T0607300114
Action Type:	Other
Date:	12/15/1988
Action:	Leak Stopped
Global Id:	T0607300114
Action Type:	Other
Date:	12/15/1988
Action:	Leak Began
Global Id:	T0607300114
Action Type:	Other
Date:	12/15/1988
Action:	Leak Discovery
Global Id:	T0607300114
Action Type:	Other
Date:	12/15/1988
Action:	Leak Reported

SAN DIEGO CO. SAM:

Case Number:	H00841-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	3/21/1989
Date Began:	12/15/1988

SAN DIEGO CO. HMMD:

Facility Id:	100841
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	538-671-09-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	KENNETH RUSSEL
Facility Address:	6720 SAN MIGUEL
Facility City:	LEMON GROVE
Facility State:	CA
Facility Zip:	91945-1327

A.O. REED (Continued) **S103639397**

UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 100841 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	100841
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1988-12-15 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SWEEPS UST:

Status:	Not reported
Comp Number:	841
Number:	Not reported
Board Of Equalization:	44-021583
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-000841-000001
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	1

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1106

R96 **A.O. REED** **CA LUST** **S102423626**
East **1990 MAIN ST** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.414 mi.
2188 ft. **Site 2 of 2 in cluster R**

Relative:
Higher

Actual:
38 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1106
Local Case:	H00841-001
Substance:	Waste Oil
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Structure Failure
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	12/16/1988
Date Stopped:	12/16/1988
Confirm Date:	12/15/1988
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	12/16/1988
Enforce Date:	Not reported
Closed Date:	1/1/89
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.22
GW Depth:	15'
Beneficial Use:	No Beneficial groundwater use
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

O97 **BARRIOHAUS** **CA SLIC** **S117624732**
NNE **1600 NATIONAL AVENUE** **N/A**
1/4-1/2 **SAN DIEG, CA 92101**
0.415 mi.
2192 ft. **Site 5 of 5 in cluster O**

Relative:
Higher

Actual:
22 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/19/2015
Global Id:	T10000006463
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	DEH2015-LSAM-000279
Latitude:	32.7042241162375
Longitude:	-117.149708549074

BARRIOHAUS (Continued) **S117624732**

Case Type:	Cleanup Program Site
Case Worker:	JC
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Comments: The Site is developed with four buildings constructed as early as 1924 and a 14,000 square-foot asphalt parking lot. The Site was a former laundry facility from the early 1920s to the 1950s. There are no plans to change the site use or redevelop the Site at this time. Because the Site was a former laundry, there was a potential that chlorinated solvents, such as tetrachloroethylene (PCE) may have been used onsite. No underground storage tanks were identified although numerous Leaking Underground Storage Tanks (LUST) sites exist adjacent to and in close proximity to the Site, including Unauthorized Release Cases H13758-001 and H21201-001, located at 1603 - 1615 Logan Avenue and 1643 Logan Avenue, respectively. In September 2014, a soil vapor survey and human health risk assessment (HHRA) were conducted to assess the potential for volatile organic contaminants to migrate into the existing structures and create a health risk to current and future occupants of the Site buildings. The results of the HHRA indicate that the potential cancer risk to current and future occupants does not exceed the acceptable risk threshold of one in one million for unrestricted land use. Between November 12 and December 29, 2014, a total of 18 borings were advanced to varying depths at the Site. Eighty four soil samples and seven grab groundwater samples were collected from the borings. Petroleum hydrocarbons detected in soil samples collected at or near the capillary fringe suggest that petroleum impacts are from a groundwater plume originating from one or more up-gradient offsite sources. The source of the PCE-impacted soil at or near the capillary fringe and the vadose zone soil impacted with petroleum hydrocarbons and lead is unknown. There appear to be two groundwater plumes beneath the Site: A petroleum hydrocarbon-impacted plume beneath a large portion of the parking lot and a chlorinated solvent plume beneath the southwestern portion of the parking lot and adjacent portion of the warehouse building. The Site has not been used to store or transfer petroleum hydrocarbons historically, indicating that hydrocarbon and related VOC impacts to groundwater beneath the Site are likely due to up-gradient offsite releases. Although the Site has been historically used as a laundry facility, which may be the source for the chlorinated solvents detected in groundwater, no indication of releases was observed at the surface or in vadose zone soil samples. It was concluded that the impacted groundwater detected during the assessment does not pose a risk to human health or the environment. No additional soil and groundwater assessment is recommended. It is concluded that no further action is needed based on unrestricted Site use. DEH concurs with this conclusion.

Click here to access the California GeoTracker records for this facility:

98
ESE
1/4-1/2
0.419 mi.
2211 ft.

SOUTHWEST MARINE INC.
FOOT OF SAMPSON ST
SAN DIEGO, CA 92170

CA LUST **1000411002**
CA San Diego Co. HMMD **N/A**
CA EMI
CA HIST CORTESE
CA Notify 65

Relative:
Higher

Actual:
22 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT3470
Local Case:	H09689-002
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	No Action Required - incident is minor, requiring no remedial action
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	12/30/1996
Date Stopped:	12/30/1996
Confirm Date:	05/19/1997
Submit Workplan:	5/27/97
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	12/30/1996
Enforce Date:	Not reported
Closed Date:	7/13/98
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.22
GW Depth:	8’
Beneficial Use:	NBNB/E
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	132800
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	DEH-132800
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	SAN DIEGO UNIFIED PORT DISTRIC
Facility Address:	PO BOX 488
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92112-0488
UST Owner:	Not reported

SOUTHWEST MARINE INC. (Continued) **1000411002**

Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

EMI:

Year:	1987
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	50
Reactive Organic Gases Tons/Yr:	38
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	5
Particulate Matter Tons/Yr:	8
Part. Matter 10 Micrometers and Smllr Tons/Yr:	7

Year:	1990
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	47
Reactive Organic Gases Tons/Yr:	41
Carbon Monoxide Emissions Tons/Yr:	8
NOX - Oxides of Nitrogen Tons/Yr:	6
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Year:	1995
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	61
Reactive Organic Gases Tons/Yr:	58
Carbon Monoxide Emissions Tons/Yr:	3
NOX - Oxides of Nitrogen Tons/Yr:	14
SOX - Oxides of Sulphur Tons/Yr:	2
Particulate Matter Tons/Yr:	8

SOUTHWEST MARINE INC. (Continued) **1000411002**

Part. Matter 10 Micrometers and Smllr Tons/Yr:7

Year:	1996
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	61
Reactive Organic Gases Tons/Yr:	58
Carbon Monoxide Emissions Tons/Yr:	3
NOX - Oxides of Nitrogen Tons/Yr:	14
SOX - Oxides of Sulphur Tons/Yr:	2
Particulate Matter Tons/Yr:	8
Part. Matter 10 Micrometers and Smllr Tons/Yr:	7

Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	32
Reactive Organic Gases Tons/Yr:	31
Carbon Monoxide Emissions Tons/Yr:	17
NOX - Oxides of Nitrogen Tons/Yr:	42
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	5
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	43
Reactive Organic Gases Tons/Yr:	42
Carbon Monoxide Emissions Tons/Yr:	8
NOX - Oxides of Nitrogen Tons/Yr:	35
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	478

SOUTHWEST MARINE INC. (Continued) **1000411002**

Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	63
Reactive Organic Gases Tons/Yr:	62
Carbon Monoxide Emissions Tons/Yr:	9
NOX - Oxides of Nitrogen Tons/Yr:	41
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	34
Reactive Organic Gases Tons/Yr:	33
Carbon Monoxide Emissions Tons/Yr:	6
NOX - Oxides of Nitrogen Tons/Yr:	26
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	47
Reactive Organic Gases Tons/Yr:	47
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	19
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	5
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	47

SOUTHWEST MARINE INC. (Continued) **1000411002**

Reactive Organic Gases Tons/Yr: 47
Carbon Monoxide Emissions Tons/Yr: 5
NOX - Oxides of Nitrogen Tons/Yr: 19
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 5
Part. Matter 10 Micrometers and Smllr Tons/Yr: 5

Year: 2004
County Code: 37
Air Basin: SD
Facility ID: 478
Air District Name: SD
SIC Code: 3731
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 47.10779044
Reactive Organic Gases Tons/Yr: 46.70312968
Carbon Monoxide Emissions Tons/Yr: 4.89075181
NOX - Oxides of Nitrogen Tons/Yr: 18.7063867
SOX - Oxides of Sulphur Tons/Yr: 0.257661755
Particulate Matter Tons/Yr: 5.064479915
Part. Matter 10 Micrometers and Smllr Tons/Yr: 5.047541285

Year: 2005
County Code: 37
Air Basin: SD
Facility ID: 478
Air District Name: SD
SIC Code: 3731
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 38.573483
Reactive Organic Gases Tons/Yr: 38.212401
Carbon Monoxide Emissions Tons/Yr: 5.03316
NOX - Oxides of Nitrogen Tons/Yr: 22.07
SOX - Oxides of Sulphur Tons/Yr: .247892
Particulate Matter Tons/Yr: 10.77888751568088157
Part. Matter 10 Micrometers and Smllr Tons/Yr: 8.255461835

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3470

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

M99 **RELIABLE PIPE SUPPLY CO. INC.** **CA SAN DIEGO CO. SAM** **S104746213**
NNE **1430 NATIONAL AV** **CA SLIC** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113** **CA San Diego Co. HMMD**
0.420 mi.
2216 ft. **Site 2 of 4 in cluster M**

Relative:
Higher

Actual:
22 ft.

SAN DIEGO CO. SAM:

Case Number:	H05613-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	2/1/1988
Date Began:	2/17/1987

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/01/1988
Global Id:	T0608152064
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H05613-001
Latitude:	32.70493
Longitude:	-117.150289
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	116468
Business Type:	6HK70
EPA Id Number:	CAL913433317
APN:	535-617-01-00
Last HMMD Inspection:	04/04/2012
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	PAULA MENDELL
Facility Address:	P O BOX 120522
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92112
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	116468
Update Date:	11/02/2012

RELIABLE PIPE SUPPLY CO. INC. (Continued) **S104746213**

Case Number: 7782-44-7
Name: OXYGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 116468
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: USED ABSORBANTS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 116468
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 116468
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 116468
Update Date: 11/02/2012
Inspection Date: 04/23/2007
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Facility Id: 116468
Update Date: 11/02/2012
Inspection Date: 04/23/2007
Violation Code: 6HV0220
Violation: SPENT LEAD ACID BATTERY IMPROP. MANAGED
Violation Citation: Spent lead acid batteries not properly managed. 66266.81
Activity: ACTIVE

Facility Id: 116468
Update Date: 11/02/2012
Inspection Date: 07/27/2005
Violation Code: 6HV0210
Violation: DID NOT CLEAN SPILL TO FLOOR
Violation Citation: Failure to clean up hazardous waste off of floor surface. 66262.10b

RELIABLE PIPE SUPPLY CO. INC. (Continued) **S104746213**

Activity:	ACTIVE
Facility Id:	116468
Update Date:	11/02/2012
Inspection Date:	07/27/2005
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Facility Id:	116468
Update Date:	11/02/2012
Inspection Date:	04/23/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	116468
Update Date:	11/02/2012
Inspection Date:	04/23/2007
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Facility Id:	116468
Update Date:	11/02/2012
Inspection Date:	04/23/2007
Violation Code:	6HV0229
Violation:	HW CONTAINERS NOT INSPECTED WEEKLY
Violation Citation:	Failed to conduct weekly inspections. CFR 265.174
Activity:	ACTIVE
Facility Id:	116468
Update Date:	11/02/2012
Inspection Date:	04/23/2007
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171
Activity:	ACTIVE
Facility Id:	105613
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	535-625-03-00
Last HMMD Inspection:	12/02/1988
Permit Status:	INAC
Permit Expiration:	12/02/1988
Facility Owner:	RELIABLE PIPE SUPPLY
Facility Address:	1430 NATIONAL AV
Facility City:	SAN DIEGO
Facility State:	CA

RELIABLE PIPE SUPPLY CO. INC. (Continued) **S104746213**

Facility Zip:	92113-1028
UST Owner:	RELIABLE PIPE SUPPLY
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 105613 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	105613
Tank Type:	UNKNOWN
Additional Id:	Not reported
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Facility Id:	116468
Business Type:	6HK70
EPA Id Number:	CAL913433317
APN:	535-617-01-00
Last HMMD Inspection:	04/04/2012
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	PAULA MENDELL
Facility Address:	P O BOX 120522
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92112
UST Owner:	Not reported
Handle Regulated Hazmat:	N
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	116468
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

RELIABLE PIPE SUPPLY CO. INC. (Continued) **S104746213**

Facility Id: 116468
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: USED ABSORBANTS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 116468
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 116468
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 116468
Update Date: 11/02/2012
Inspection Date: 04/23/2007
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Facility Id: 116468
Update Date: 11/02/2012
Inspection Date: 04/23/2007
Violation Code: 6HV0220
Violation: SPENT LEAD ACID BATTERY IMPROP. MANAGED
Violation Citation: Spent lead acid batteries not properly managed. 66266.81
Activity: ACTIVE

Facility Id: 116468
Update Date: 11/02/2012
Inspection Date: 07/27/2005
Violation Code: 6HV0210
Violation: DID NOT CLEAN SPILL TO FLOOR
Violation Citation: Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity: ACTIVE

Facility Id: 116468
Update Date: 11/02/2012
Inspection Date: 07/27/2005
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE

RELIABLE PIPE SUPPLY CO. INC. (Continued) **S104746213**

Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

Facility Id: 116468
Update Date: 11/02/2012
Inspection Date: 04/23/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 116468
Update Date: 11/02/2012
Inspection Date: 04/23/2007
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

Facility Id: 116468
Update Date: 11/02/2012
Inspection Date: 04/23/2007
Violation Code: 6HV0229
Violation: HW CONTAINERS NOT INSPECTED WEEKLY
Violation Citation: Failed to conduct weekly inspections. CFR 265.174
Activity: ACTIVE

Facility Id: 116468
Update Date: 11/02/2012
Inspection Date: 04/23/2007
Violation Code: 6HV0232
Violation: HW CONTAINER IN POOR CONDITION
Violation Citation: Waste accumulated in a container in poor condition. CFR 265.171
Activity: ACTIVE

---

100 NNW 1/4-1/2 0.421 mi. 2221 ft.

CATELLUS DEVELOPMENT PROPERTY
702 HARBOR DR
SAN DIEGO, CA 92101

CA SAN DIEGO CO. SAM **S104753420**
CA SLIC **N/A**
CA San Diego Co. HMMD

Relative: Higher

Actual: 18 ft.

SAN DIEGO CO. SAM:
Case Number: H32809-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 1/19/1994
Date Began: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**

CATELLUS DEVELOPMENT PROPERTY (Continued) **S104753420**

Status Date:	01/19/1994
Global Id:	T0608120641
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H32809-001
Latitude:	32.712596
Longitude:	-117.1729986
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	132809
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	535-700-29-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	CATELLUS DEVELOPMENT PROPERTY
Facility Address:	702 HARBOR DR
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 132809 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	132809
Tank Type:	SINGLE WALL
Additional Id:	at4336
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1999-04-01 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

L101 **MTDB LEASEHOLD** **CA SAN DIEGO CO. SAM** **S104890821**
NNW **93 08TH AV** **CA SLIC** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101** **CA San Diego Co. HMMD**
0.422 mi.
2227 ft. **Site 3 of 3 in cluster L**

Relative:
Higher

Actual:
22 ft.

SAN DIEGO CO. SAM:

Case Number:	H39423-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	11/26/2002
Date Began:	3/15/2001

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/26/2002
Global Id:	T0608105248
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H39423-001
Latitude:	32.705637
Longitude:	-117.157462
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	139423
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	DEH-139423
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

S102 **CENTER CITY TOWING** **CA ENVIROSTOR** **S106059798**
NE **1668 NATIONAL AV** **CA SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113** **CA SLIC**
0.422 mi. **CA San Diego Co. HMMD**
2228 ft. **Site 1 of 6 in cluster S**

Relative:
Higher

Actual:
29 ft.

ENVIROSTOR:

Facility ID:	37280047
Status:	Refer: RCRA
Status Date:	05/10/1995
Site Code:	400238
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	80
Senate:	40
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	32.70374
Longitude:	-117.1489
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* UNSPECIFIED ORGANIC LIQUID MIXTURE
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	PACIFIC TREATMENT CORP
Alias Type:	Alternate Name
Alias Name:	PACIFIC TREATMENT CORP #2
Alias Type:	Alternate Name
Alias Name:	CAD098240062
Alias Type:	EPA Identification Number
Alias Name:	110002665697
Alias Type:	EPA (FRS #)
Alias Name:	400238
Alias Type:	Project Code (Site Code)
Alias Name:	37280047
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	02/09/1995
Comments:	NFA FOR SITE MITIGATION OPERATIONS, THIS IS A RCRA FACILITY.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	06/05/1987
Comments:	SITE SCREENING DONE STAINS OF UNKNOWN SUBSTANCE NEXT TO CEMENT WASH PAD

CENTER CITY TOWING (Continued) **S106059798**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/22/1983
Comments: FACILITY IDENTIFIED ID VIA CALIF. WASTE MGMT. BD. PRINTOUT

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SAN DIEGO CO. SAM:
Case Number: H01553-002
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: AX
Facility Status: Closed Case
Date: 2/15/2008
Date Began: Not reported

Case Number: H01553-001
Agency: CA Department of Toxic Substance Control
Funding: **Non Billable**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 5/17/1991
Date Began: 5/17/1991

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 02/15/2008
Global Id: SLT19739268
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H01553-002
Latitude: 32.703766
Longitude: -117.148918
Case Type: Cleanup Program Site
Case Worker: TS
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:
Facility Id: 101553
Business Type: Not reported

CENTER CITY TOWING (Continued) **S106059798**

EPA Id Number:	Not reported
APN:	DEH-101553
Last HMMD Inspection:	08/23/1995
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	RAUL JOSE JAAQUEZ
Facility Address:	1668 NATIONAL AVE
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113-1009
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

S103 **PACIFIC TREATMENT CORP** **CA ENVIROSTOR** **S118757546**
NE **1668 NATIONAL AVE** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.422 mi.
2228 ft. **Site 2 of 6 in cluster S**

Relative:
Higher

Actual:
29 ft.

ENVIROSTOR:

Facility ID:	80001736
Status:	No Action Required
Status Date:	08/14/2013
Site Code:	400238
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	S. Steven Hariri
Supervisor:	Ju-Tseng Liu
Division Branch:	Engineering & Special Projects
Assembly:	80
Senate:	40
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	32.70351
Longitude:	-117.1489
APN:	5380301900
Past Use:	ABOVE GROUND STORAGE TANKS, FUEL - VEHICLE STORAGE/ REFUELING, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC:	Lead TPH-diesel TPH-gas Chromium III Molybdenum Vanadium and compounds Zinc
Confirmed COC:	Lead TPH-diesel TPH-gas Chromium III Molybdenum Vanadium and compounds Zinc
Potential Description:	SOIL
Alias Name:	TRIAD MARINE & INDUSTRIAL CLEANING CORP.
Alias Type:	Alternate Name
Alias Name:	5380301900
Alias Type:	APN

PACIFIC TREATMENT CORP (Continued) **S118757546**

Alias Name: CAD098240062
Alias Type: EPA Identification Number
Alias Name: 110002665697
Alias Type: EPA (FRS #)
Alias Name: 400238
Alias Type: Project Code (Site Code)
Alias Name: 37280047
Alias Type: Envirostor ID Number
Alias Name: 80001736
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 02/11/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/09/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/04/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 08/14/2013
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

S104 **PACIFIC TREATMENT** **SEMS-ARCHIVE** **1000249989**
NE **1668 NATIONAL AVENUE** **CORRACTS** **CAD098240062**
1/4-1/2 **SAN DIEGO, CA 92113** **RCRA-TSDF**
0.422 mi. **RCRA-SQG**
2228 ft. **Site 3 of 6 in cluster S** **CA HIST UST**
FINDS
Relative: **CA HWP**
Higher **ECHO**

Actual: SEMS-ARCHIVE:
29 ft. Site ID: 903904
EPA ID: CAD098240062

PACIFIC TREATMENT (Continued) **1000249989**

Federal Facility: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0903904
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13289850.00000
Person ID: 13003854.00000

Contact Sequence ID: 13295445.00000
Person ID: 13003858.00000

Contact Sequence ID: 13301303.00000
Person ID: 13004003.00000

Program Priority:
Description: RCRA Deferral Audit

Description: RCRA Deferral - Lead Confirmed

Description: RCRA Deferral - Further Superfund Assessment

CERCLIS-NFRAP Assessment History:
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 09/12/91
Priority Level: Deferred to RCRA (Subtitle C)

Action: DISCOVERY
Date Started: / /
Date Completed: 05/21/91
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 01/23/96
Priority Level: Not reported

CORRACTS:

EPA ID: CAD098240062
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19910909
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

PACIFIC TREATMENT (Continued) **1000249989**

EPA ID: CAD098240062
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920211
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 09/01/1996
Facility name: PACIFIC TREATMENT
Facility address: 1668 NATIONAL AVENUE
SAN DIEGO, CA 92113
EPA ID: CAD098240062
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:
Owner/operator name: PACIFIC TREATMENT CORPORATION
Owner/operator address: PO BOX 13626
SAN DIEGO, CA 92113
Owner/operator country: Not reported
Owner/operator telephone: (619) 233-0424
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: PACIFIC TREATMENT
Owner/operator address: 1668 NATIONAL AVE
SAN DIEGO, CA 92113
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No

PACIFIC TREATMENT (Continued) **1000249989**

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 12/05/1980
Site name: PACIFIC TREATMENT
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 09/09/1991
Event: CA029ST

Event date: 09/09/1991
Event: CA049PA

Event date: 09/09/1991
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 02/11/1992
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 02/11/1992
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 09/08/1994
Date achieved compliance: 09/08/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General

PACIFIC TREATMENT (Continued) **1000249989**

Date violation determined: 11/30/1993
Date achieved compliance: 09/08/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 06/08/1993
Date achieved compliance: 11/30/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 11/06/1992
Date achieved compliance: 06/08/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 04/07/1992
Date achieved compliance: 11/06/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 10/28/1991

PACIFIC TREATMENT (Continued) **1000249989**

Date achieved compliance: 04/07/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/08/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/08/1999
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 11/30/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/08/1994
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 06/08/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/30/1993
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 11/06/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/08/1993
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 04/07/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/06/1992
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 10/28/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/07/1992
Evaluation lead agency: State Contractor/Grantee

HIST UST:
File Number: 0002F14C
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F14C.pdf
Region: STATE
Facility ID: 00000004259
Facility Type: Other
Other Type: TSDF FACILITY
Contact Name: GREG H. WIDDERS
Telephone: 6192392024

PACIFIC TREATMENT (Continued) **1000249989**

Owner Name: PACIFIC TREATMENT CORPORATION
Owner Address: P.O. BOX 13626___.
Owner City,St,Zip: SAN DIEGO, CA 92113
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1982
Tank Capacity: 00002100
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 1/4
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: 1982
Tank Capacity: 00000050
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 003
Container Num: 3
Year Installed: 1983
Tank Capacity: 00000800
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 1/4
Leak Detection: Visual

Tank Num: 004
Container Num: 4
Year Installed: 1981
Tank Capacity: 00000025
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 1/16
Leak Detection: Visual

Click here for Geo Tracker PDF:

FINDS:

Registry ID: 110002665697

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

PACIFIC TREATMENT (Continued) **1000249989**

HWP:
EPA Id: CAD098240062
Cleanup Status: CLOSED
Latitude: 32.70351
Longitude: -117.1489
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: 400238
Assembly District: 80
Senate District: 40
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD098240062
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 11/06/1985

EPA Id: CAD098240062
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 03/31/1988

EPA Id: CAD098240062
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 01/19/1987

EPA Id: CAD098240062
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 03/27/1990

EPA Id: CAD098240062
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 08/17/1991

Closure:
EPA Id: CAD098240062
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, OTHRTRT1, TANKSTR1, TANKTRT1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 09/17/1992

EPA Id: CAD098240062
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, OTHRTRT1, TANKSTR1, TANKTRT1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION

PACIFIC TREATMENT (Continued) **1000249989**

Actual Date: 08/10/1992

Alias:
EPA Id: CAD098240062
Facility Type: Historical - Non-Operating
Alias Type: Alternate Name
Alias: TRIAD MARINE & INDUSTRIAL CLEANING CORP.

EPA Id: CAD098240062
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 400238

EPA Id: CAD098240062
Facility Type: Historical - Non-Operating
Alias Type: Envirostor ID Number
Alias: 37280047

EPA Id: CAD098240062
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110002665697

Maintenance:
EPA Id: CAD098240062
Title: Pacific Treatment Facility #2 Closure Report
Document Type: Certification Documents from Facility
Received Date: 09/17/1992

ECHO:
Envid: 1000249989
Registry ID: 110002665697
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002665697

N105 **CITY OF SAN DIEGO** **CA SAN DIEGO CO. SAM** **S105539636**
North **800 IMPERIAL AV** **CA SLIC** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101** **CA San Diego Co. HMMD**
0.424 mi.
2238 ft. **Site 2 of 2 in cluster N**

Relative:
Higher

Actual:
22 ft.

SAN DIEGO CO. SAM:
Case Number: H25929-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 12/19/2003
Date Began: 6/6/1990

Case Number: H25929-002
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 7/21/2004

CITY OF SAN DIEGO (Continued) **S105539636**

Date Began: 11/8/1999

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/21/2004
Global Id:	T0608150421
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H25929-002
Latitude:	32.7060257768259
Longitude:	-117.155453088092
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Heating Oil / Fuel Oil
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/19/2003
Global Id:	T0608169734
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H25929-001
Latitude:	32.706061888105
Longitude:	-117.155753495501
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Heating Oil / Fuel Oil
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	125929
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	535-562-01-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	CITY OF SAN DIEGO
Facility Address:	1010 2ND AV 0444
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101-4903
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported

CITY OF SAN DIEGO (Continued) **S105539636**

Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

T106 **EVRDA LOP (535-562-03)** **CA LUST** **S104234306**
North **822 IMPERIAL AVE** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101**
0.424 mi.
2240 ft. **Site 1 of 2 in cluster T**

Relative:
Higher

Actual:
22 ft.

LUST REG 9:
Region: 9
Status: Remediation Plan
Case Number: 9UT3958
Local Case: H15921-001
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 06/15/1999
Date Stopped: 06/15/1999
Confirm Date: / /
Submit Workplan: 8/24/99
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: 08/04/1999
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 06/15/1999
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: Not reported
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT4047
Local Case: H15921-002
Substance: Waste Oil
Qty Leaked: Not reported
Abate Method: Not reported

EVRDA LOP (535-562-03) (Continued) **S104234306**

Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	04/18/2000
Date Stopped:	04/18/2000
Confirm Date:	/ /
Submit Workplan:	5/2/00
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	04/18/2000
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.21
GW Depth:	10
Beneficial Use:	NBNB/E
NPDES Number:	Not reported
Priority:	Medium priority
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

T107 **PLANT PRODUCTS & SUPPLY CO** **CA LUST** **S104748519**
North **822 IMPERIAL AV** **CA SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101** **CA San Diego Co. HMMD**
0.424 mi.
2240 ft. **Site 2 of 2 in cluster T**

Relative:
Higher

Actual:
22 ft.

LUST:

Region:	STATE
Global Id:	T0607399047
Latitude:	32.706337
Longitude:	-117.157072
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/24/2003
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3958
LOC Case Number:	H15921-001
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

PLANT PRODUCTS & SUPPLY CO (Continued) **S104748519**

Global Id: T0607399047
Status: Completed - Case Closed
Status Date: 02/24/2003

Global Id: T0607399047
Status: Open - Case Begin Date
Status Date: 06/15/1999

Regulatory Activities:
Global Id: T0607399047
Action Type: Other
Date: 06/15/1999
Action: Leak Reported

Global Id: T0607399047
Action Type: Other
Date: 06/15/1999
Action: Leak Began

Global Id: T0607399047
Action Type: Other
Date: 06/15/1999
Action: Leak Discovery

Region: STATE
Global Id: T0607399240
Latitude: 32.706337
Longitude: -117.157072
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/24/2003
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT4047
LOC Case Number: H15921-002
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Heating Oil / Fuel Oil
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607399240
Status: Completed - Case Closed
Status Date: 02/24/2003

Global Id: T0607399240
Status: Open - Case Begin Date
Status Date: 04/18/2000

Regulatory Activities:
Global Id: T0607399240
Action Type: Other
Date: 04/18/2000

PLANT PRODUCTS & SUPPLY CO (Continued) **S104748519**

Action: Leak Stopped

Global Id: T0607399240
Action Type: Other
Date: 04/18/2000
Action: Leak Began

Global Id: T0607399240
Action Type: Other
Date: 04/18/2000
Action: Leak Discovery

SAN DIEGO CO. SAM:
Case Number: H15921-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 2/24/2003
Date Began: 6/15/1999

Case Number: H15921-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 2/24/2003
Date Began: 4/18/2000

SAN DIEGO CO. HMMD:
Facility Id: 115921
Business Type: Not reported
EPA Id Number: CAD98167461
APN: 535-562-03-00
Last HMMD Inspection: 10/23/1987
Permit Status: INAC
Permit Expiration: 04/14/2000
Facility Owner: GEORGE LONGWORTH
Facility Address: 822 IMPERIAL AV
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92101-7131
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 115921 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 115921
Tank Type: SINGLE WALL
Additional Id: at4487

PLANT PRODUCTS & SUPPLY CO (Continued) **S104748519**

Capacity Gallons:	550
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	MIDGRADE UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1999-06-15 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 115921 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	115921
Tank Type:	SINGLE WALL
Additional Id:	at4590
Capacity Gallons:	20000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	2000-04-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 115921 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	115921
Tank Type:	SINGLE WALL
Additional Id:	at4590
Capacity Gallons:	20000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	2000-04-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

U108 **R.E. STAITE / CP KELCO LEASE** **CA SLIC** **S118504892**
ESE **2025 EAST HARBOR DRIVE** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.424 mi.
2240 ft. **Site 1 of 4 in cluster U**

Relative:
Higher

Actual:
32 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	05/04/2016
Global Id:	T10000008866

R.E. STAITE / CP KELCO LEASE (Continued) **S118504892**

Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	Not reported
Latitude:	32.69244
Longitude:	-117.14641
Case Type:	Cleanup Program Site
Case Worker:	WC
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected:	Sediments, Soil, Surface water, Under Investigation
Potential Contaminants of Concern:	Polychlorinated biphenyls (PCBs), Other Metal
Site History:	Sediments offsite show high metals and PCBs.

Click here to access the California GeoTracker records for this facility:

U109 **CP KELCO** **CA SLIC** **S105658525**
ESE **2025 HARBOR DR** **CA CHMIRS** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113** **CA NPDES**
0.424 mi.
2240 ft. **Site 2 of 4 in cluster U**

Relative:
Higher

Actual:
32 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/06/2008
Global Id:	SLT19724600
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H38979-003
Latitude:	32.6962500225762
Longitude:	-117.14576071773
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/31/2001
Global Id:	T0608121886
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H38979-001
Latitude:	32.6960983385402
Longitude:	-117.146061124485
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

CP KELCO (Continued) **S105658525**

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/01/2008
Global Id:	T0608116327
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H38979-002
Latitude:	32.6963439221015
Longitude:	-117.146095457546
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Alcohols
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CHMIRS:

OES Incident Number:	9-5404
OES notification:	12/23/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported

CP KELCO (Continued) **S105658525**

What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	Calco Biopolimers
Incident Date:	12/23/199912:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Boiler Condesate
Gallons:	3
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Power failure

NPDES:

Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	457180
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I026057
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/28/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	CP Kelco
Discharge Address:	2025 East Harbor Drive
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92113
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported

CP KELCO (Continued) **S105658525**

PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9

CP KELCO (Continued) **S105658525**

Regulatory Measure Id:	218763
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I016160
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	10/24/2000
STATUS CODE NAME:	Active
STATUS DATE:	7/5/2006
PLACE SIZE:	16
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Ron Halik
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	858-292-4900
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	CP Kelco
OPERATOR ADDRESS:	2025 Harbor Dr
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92113
OPERATOR CONTACT NAME:	Ron Halik
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	619-595-5025
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	619-595-5025
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported

CP KELCO (Continued) **S105658525**

CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Potw And San Diego Bay
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	2099-Food Preparations, NEC
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	218763
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I016160
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/24/2000
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	CP Kelco
Discharge Address:	2025 Harbor Dr
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92113
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported

CP KELCO (Continued) **S105658525**

DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

U110 **KELCO** **CA SAN DIEGO CO. SAM** **S105113177**
ESE **2025 HARBOR DR** **CA San Diego Co. HMMD** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.424 mi.
2240 ft. **Site 3 of 4 in cluster U**

Relative:
Higher

Actual:
32 ft.

SAN DIEGO CO. SAM:

Case Number:	H38979-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	12/31/2001
Date Began:	3/19/2001
Case Number:	H38979-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	7/1/2008
Date Began:	10/15/2001
Case Number:	H38979-003

KELCO (Continued) **S105113177**

Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 3/6/2008
Date Began: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 138979
Business Type: 6HK76
EPA Id Number: CAR000084533
APN: 538-700-07-00
Last HMMD Inspection: 03/18/2008
Permit Status: OPEN
Permit Expiration: 07/31/2013
Facility Owner: CP KELCO
Facility Address: 2025 E HARBOR DR
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92113-
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7783-20-2
Name: AMMONIUM SULFATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CHEMTREAT CL-1446
Other Information: CORROSION INHIBITOR
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: FILTERAID 700, TECH
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979

KELCO (Continued) **S105113177**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	NALCO TRI-ACT 1820
Other Information:	WATER TREATMENT CHEMICALS
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	9005-65-6
Name:	POLYSORBATE 80
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	7664-93-9
Name:	SULFURIC ACID, 98%
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	EXTREMELY HAZARDOUS

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	TERGITOLIL (TM) L-81
Other Information:	ANTIFOAM
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 122 ALKALINE SOL'N W/OUT METALS-
Other Information:	WASTE SODIUM HYPOCHLORITE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	FIBER & IPA
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS

KELCO (Continued) **S105113177**

Other Information: WASTE ORGANIC LIQUIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 64-19-7
Name: ACETIC ACID GLACIAL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: ALPHA-STEP MC-48
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 77-92-9
Name: CITRIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: NALCO 2833
Other Information: CORROSION/ SCALE INHIBITOR
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: QUORUM CLEAR V
Other Information: SANITIZER
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: SODIUM ACETATE ANHYDROUS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE

KELCO (Continued) **S105113177**

Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information: WASTE POTASSIUM HYDROXIDE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: NEUTRALIZED SULFURIC ACID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SODIUM HYPOCHLORITE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER).
Other Information: DEMIN BEADS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS
Other Information: ETHANOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 6484-52-2
Name: AMMONIUM NITRATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979

KELCO (Continued) **S105113177**

Update Date: 11/02/2012
Case Number: Not reported
Name: CHEMTREAT BL-1258
Other Information: SULFITE OXYGEN SCAVENGER
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CHEMTREAT CL-1416
Other Information: COOLING TOWER CORROSION INHIBITOR, DISPERSANT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CHEMTREAT CL-49
Other Information: COOLING TOWER MICROBIOCIDE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL NO 2
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: PROPRIET-AR-Y
Name: HODAG K60K
Other Information: ANTIFOAM
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: MAGNESIUM SULFATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 142-47-2
Name: MONODODIUM GLATAMATE

KELCO (Continued) **S105113177**

Other Information: MSG
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: NALCO 2563
Other Information: ANTIFOAM
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: NALCO 8735
Other Information: PH STABILIZER
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: PROTEX 6L, FOOD 580,000 DU/G
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: SANTOQUIN EMULSION #1
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7757-83-7
Name: SODIUM SULFITE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7601-59-4
Name: TRISODIUM PHOSPHATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE

KELCO (Continued) **S105113177**

Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: WATER W/DIESEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE*
Other Information: SOIL W/ DIESEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 261 POLYCHLORINATED BIPHENYLS
Other Information: PCB BALLAST
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE-
Other Information: WASTE ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 1336-21-6
Name: AMMONIUM HYDROXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: EXTREMELY HAZARDOUS

Facility Id: 138979

KELCO (Continued) **S105113177**

Update Date:	11/02/2012
Case Number:	1305-62-0
Name:	CALCIUM HYDROXIDE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	CHEMTREAT BL-1770
Other Information:	BOILER ANTI-SCALANT POLYMER/PHOSPHATE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DOW ANTIFOAM 1520
Other Information:	ANTIFOAM
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DREW PLUS ANTIFOAM
Other Information:	ANTIFOAM
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported
Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	GUAR GUM
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	MAKON 10
Other Information:	POLYETHYLENE GLYCOL MONO (NONYL PHENYL) ETHER
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	NINOL 30-LL

KELCO (Continued) **S105113177**

Other Information: ALKANOLAMIDE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7767-82-6
Name: SODIUM SULFATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7722-88-5
Name: TETRASODIUM PYROPHOSPHATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: TRITON X-100
Other Information: NONIONIC SURFACTANT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS'
Other Information: SURPLUS CALGON LCS-59
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER) -
Other Information: WASTE SULFURIC ACID & LIMESTONE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS'
Other Information: SURPLUS CALCIUM NITRATE TETRAHYDRATE
Material Waste: Waste
Hazardous Categories 1: Not reported

KELCO (Continued) **S105113177**

Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE-
Other Information: SPENT NON-PCB CAPACITOR
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 110-63-4
Name: 1,4 - BUTANEDIOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 10043-52-4
Name: CALCIUM CHLORIDE (ANYDROUS)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 107-22-2
Name: GLYOXAL 40%
Other Information: ALIPHATIC ALDEHYDE
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: IPA & WATER
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7778-77-0
Name: MAZU 4141
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979

KELCO (Continued) **S105113177**

Update Date: 11/02/2012
Case Number: 7722-76-1
Name: MONOAMMONIUM PHOSPHATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: ONDEO CL-50
Other Information: WATER TREATMENT CHEMICALS
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: LPG
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 6132-04-3
Name: SODIUM CITRATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: SODIUM LAURYL SULFATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS‘

KELCO (Continued) **S105113177**

Other Information: SURPLUS CALGON CL-361
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)-
Other Information: EQ TANK SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)- PAINT CHIPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 25322-69-4
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS‘
Other Information: SURPLUS PROPYLENE GLYCOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE*
Other Information: SURPLUS HYDROSEAL II PARTS CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information: ACIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2‘
Other Information: WASTE SULFURIC ACID & SOLIDS
Material Waste: Waste
Hazardous Categories 1: Not reported

KELCO (Continued) **S105113177**

Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7446-20-0
Name: ZINC SULFATE, HEPTA
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: BIO-SOFT 101
Other Information: ALKYLBENZENESULFONIC ACID
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 68131-39-5
Name: BIO-SOFT N25-7
Other Information: ALCOHOLS (C12-15 LN. SATURATED) ETHOXYLATE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 471-34-1
Name: CALCIUM CARBONATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7558794
Name: DISODIUM PHOSPHATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 111-30-8
Name: GLUTERALDEHYDE (WAVECIDE-2% AND UCARCIDE-25%)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979

KELCO (Continued) **S105113177**

Update Date: 11/02/2012
Case Number: 67-63-0
Name: ISOPROPANOL
Other Information: RUBBING ALCOHOL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7550-35-8
Name: LITHIUM BROMIDE 18 SOLUTION
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7778-77-0
Name: MONOPOTASSIUM PHOSPHATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: ORBITAL ACID CLEANER #6
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: PETROLEUM OILS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7664-38-2
Name: PHOSPHORIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 9003-11-6
Name: PLURONIC L61

KELCO (Continued) **S105113177**

Other Information: ANTIFORM
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 1310-58-3
Name: POTASSIUM HYDROXIDE
Other Information: CAUSTIC SODA
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 10126-56-8
Name: SODIUM HEXAMETAPHOSPHATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7681-52-9
Name: SODIUM HYPOCHLORITE
Other Information: BLEACH
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7558-80-7
Name: SODIUM PHOSPHATE MONOBASIC
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: TENASE L1200
Other Information: BACTERIAL ALPHA-AMYLASE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: SUMP RESIDUE
Material Waste: Waste
Hazardous Categories 1: Not reported

KELCO (Continued) **S105113177**

Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: METHANOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE.
Other Information: FOOD GRADE GREASE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: POLYETHYLENE GLYCOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: ANTIFOAM
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979

KELCO (Continued) **S105113177**

Update Date: 11/02/2012
Case Number: Not reported
Name: CALIBRATION GAS NO2 50 PPM, N2
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CHEM TREAT BL-4123
Other Information: COOLING WATER TREATMENT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CHEMTREAT BL-1555
Other Information: BOILER NEUTRALIZING AMINE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7758-11-4
Name: DIPOTASSIUM PHOSPHATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 64-17-5
Name: ETHANOL
Other Information: GRAIN ALCOHOL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: NEXGUARD 22350
Other Information: WATER TREATMENT CHEMICAL
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN LIQUID

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Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CRYOGENIC
Hazardous Categories 2:	ACUTE
Facility Id:	138979
Update Date:	11/02/2012
Case Number:	9014-01-1
Name:	OPTIMASE APL 440F6
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	138979
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN LIQUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CRYOGENIC
Facility Id:	138979
Update Date:	11/02/2012
Case Number:	n/a
Name:	PERLITE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	POTASSIUM CHLORIDE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	138979
Update Date:	11/02/2012
Case Number:	1310-73-2
Name:	SODIUM HYDROXIDE
Other Information:	CAUSTIC SODA
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 122 ALKALINE SOL'N W/OUT METALS'
Other Information:	SURPLUS CHEM TREAT BL-100
Material Waste:	Waste
Hazardous Categories 1:	Not reported

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Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information: SURPLUS ANTIBIOTICS & AMINO ACIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS'
Other Information: SURPLUS CHEMTREAT BL-1344
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER) /
Other Information: SAND FILTER MEDIA
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: MOTOR OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: IPA AND WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE-
Other Information: GLYOXAL & WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979

KELCO (Continued) **S105113177**

Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: OILY SOLIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CHEM TREAT BL-4815
Other Information: COOLING WATER TREATMENT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 50-21-5
Name: LACTIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: PROPRIET-AR-Y
Name: MAZU DF 204
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7558-80-7
Name: MONOSODIUM PHOSPHATE

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Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 1049-21-5
Name: POTASSIUM PHOSPHATE, MONOBASIC
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7647-14-5
Name: SODIUM CHLORIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7631-99-4
Name: SODIUM NITRATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 57-13-6
Name: UREA
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 112 ACID SOL'N W/OUT METALS - R
Other Information: NITRIC, HCL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 121 ALKALINE SOL'N WITH METALS
Other Information: SODIUM MOLYBDATE & SODIUM NITRITE
Material Waste: Waste
Hazardous Categories 1: Not reported

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Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information: POTASSIUM HYDROXIDE WITH SOLIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS'
Other Information: POTASSIUM HYDROXIDE CONTAMINATED SOLIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: AEROSOL CANS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 513 EMPTY CONTNR(LESS THAN 30 GAL)'
Other Information: EMPTY COMPRESSED GAS CYLINDERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: ZEP-DZ-7
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

KELCO (Continued) **S105113177**

Violations Active Permits:

Facility Id:	138979
Update Date:	11/02/2012
Inspection Date:	10/02/2003
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE

Facility Id:	138979
Update Date:	11/02/2012
Inspection Date:	10/02/2003
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE

Facility Id:	138979
Update Date:	11/02/2012
Inspection Date:	10/02/2003
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	ACTIVE

Facility Id:	138979
Update Date:	11/02/2012
Inspection Date:	10/02/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	138979
Business Type:	6HK76
EPA Id Number:	CAR000084533
APN:	538-700-07-00
Last HMMD Inspection:	03/18/2008
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Facility Owner:	CP KELCO
Facility Address:	2025 E HARBOR DR
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y

KELCO (Continued) **S105113177**

Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7783-20-2
Name: AMMONIUM SULFATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CHEMTREAT CL-1446
Other Information: CORROSION INHIBITOR
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: FILTERAID 700, TECH
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: NALCO TRI-ACT 1820
Other Information: WATER TREATMENT CHEMICALS
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 9005-65-6
Name: POLYSORBATE 80
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: SULFURIC ACID, 98%
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: EXTREMELY HAZARDOUS

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Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: TERGITOLIL (TM) L-81
Other Information: ANTIFOAM
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS-
Other Information: WASTE SODIUM HYPOCHLORITE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: FIBER & IPA
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS
Other Information: WASTE ORGANIC LIQUIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 64-19-7
Name: ACETIC ACID GLACIAL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: ALPHA-STEP MC-48
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 77-92-9

KELCO (Continued) **S105113177**

Name: CITRIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: NALCO 2833
Other Information: CORROSION/ SCALE INHIBITOR
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: QUORUM CLEAR V
Other Information: SANITIZER
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: SODIUM ACETATE ANHYDROUS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information: WASTE POTASSIUM HYDROXIDE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: NEUTRALIZED SULFURIC ACID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SODIUM HYPOCHLORITE
Material Waste: Waste

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Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER).
Other Information: DEMIN BEADS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS
Other Information: ETHANOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 6484-52-2
Name: AMMONIUM NITRATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CHEMTREAT BL-1258
Other Information: SULFITE OXYGEN SCAVENGER
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CHEMTREAT CL-1416
Other Information: COOLING TOWER CORROSION INHIBITOR, DISPERSANT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CHEMTREAT CL-49
Other Information: COOLING TOWER MICROBIOCIDE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

KELCO (Continued) **S105113177**

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL NO 2
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: PROPRIET-AR-Y
Name: HODAG K60K
Other Information: ANTIFOAM
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: MAGNESIUM SULFATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 142-47-2
Name: MONODODIUM GLATAMATE
Other Information: MSG
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: NALCO 2563
Other Information: ANTIFOAM
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: NALCO 8735
Other Information: PH STABILIZER
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported

KELCO (Continued) **S105113177**

Name: PROTEX 6L, FOOD 580,000 DU/G
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: SANTOQUIN EMULSION #1
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7757-83-7
Name: SODIUM SULFITE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7601-59-4
Name: TRISODIUM PHOSPHATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: WATER W/DIESEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE*
Other Information: SOIL W/ DIESEL
Material Waste: Waste

KELCO (Continued) **S105113177**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 261 POLYCHLORINATED BIPHENYLS
Other Information: PCB BALLAST
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE-
Other Information: WASTE ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 1336-21-6
Name: AMMONIUM HYDROXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: EXTREMELY HAZARDOUS

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 1305-62-0
Name: CALCIUM HYDROXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CHEMTREAT BL-1770
Other Information: BOILER ANTI-SCALANT POLYMER/PHOSPHATE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: DOW ANTIFOAM 1520
Other Information: ANTIFOAM
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

KELCO (Continued) **S105113177**

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DREW PLUS ANTIFOAM
Other Information:	ANTIFOAM
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	GUAR GUM
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	MAKON 10
Other Information:	POLYETHYLENE GLYCOL MONO (NONYL PHENYL) ETHER
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	NINOL 30-LL
Other Information:	ALKANOLAMIDE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	7767-82-6
Name:	SODIUM SULFATE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	7722-88-5
Name:	TETRASODIUM PYROPHOSPHATE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported

KELCO (Continued) **S105113177**

Name: TRITON X-100
Other Information: NONIONIC SURFACTANT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS‘
Other Information: SURPLUS CALGON LCS-59
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER) -
Other Information: WASTE SULFURIC ACID & LIMESTONE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS‘
Other Information: SURPLUS CALCIUM NITRATE TETRAHYDRATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE-
Other Information: SPENT NON-PCB CAPACITOR
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 110-63-4
Name: 1,4 - BUTANEDIOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 10043-52-4
Name: CALCIUM CHLORIDE (ANYDROUS)
Other Information: Not reported
Material Waste: Material

KELCO (Continued) **S105113177**

Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 107-22-2
Name: GLYOXAL 40%
Other Information: ALIPHATIC ALDEHYDE
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: IPA & WATER
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7778-77-0
Name: MAZU 4141
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7722-76-1
Name: MONOAMMONIUM PHOSPHATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: ONDEO CL-50
Other Information: WATER TREATMENT CHEMICALS
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

KELCO (Continued) **S105113177**

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	LPG
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	6132-04-3
Name:	SODIUM CITRATE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	SODIUM LAURYL SULFATE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS‘
Other Information:	SURPLUS CALGON CL-361
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)-
Other Information:	EQ TANK SLUDGE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)- PAINT CHIPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	25322-69-4

KELCO (Continued) **S105113177**

Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS‘
Other Information: SURPLUS PROPYLENE GLYCOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE*
Other Information: SURPLUS HYDROSEAL II PARTS CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information: ACIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2‘
Other Information: WASTE SULFURIC ACID & SOLIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7446-20-0
Name: ZINC SULFATE, HEPTA
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: BIO-SOFT 101
Other Information: ALKYLBENZENESULFONIC ACID
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 68131-39-5
Name: BIO-SOFT N25-7
Other Information: ALCOHOLS (C12-15 LN. SATURATED) ETHOXYLATE
Material Waste: Material

KELCO (Continued) **S105113177**

Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 471-34-1
Name: CALCIUM CARBONATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7558794
Name: DISODIUM PHOSPHATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 111-30-8
Name: GLUTERALDEHYDE (WAVECIDE-2% AND UCARCIDE-25%)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 67-63-0
Name: ISOPROPANOL
Other Information: RUBBING ALCOHOL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7550-35-8
Name: LITHIUM BROMIDE 18 SOLUTION
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7778-77-0
Name: MONOPOTASSIUM PHOSPHATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

KELCO (Continued) **S105113177**

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: ORBITAL ACID CLEANER #6
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: PETROLEUM OILS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7664-38-2
Name: PHOSPHORIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 9003-11-6
Name: PLURONIC L61
Other Information: ANTIFORM
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 1310-58-3
Name: POTASSIUM HYDROXIDE
Other Information: CAUSTIC SODA
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 10126-56-8
Name: SODIUM HEXAMETAPHOSPHATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7681-52-9

KELCO (Continued) **S105113177**

Name: SODIUM HYPOCHLORITE
Other Information: BLEACH
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7558-80-7
Name: SODIUM PHOSPHATE MONOBASIC
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: TENASE L1200
Other Information: BACTERIAL ALPHA-AMYLASE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: SUMP RESIDUE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: METHANOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE.
Other Information: FOOD GRADE GREASE
Material Waste: Waste

KELCO (Continued) **S105113177**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: POLYETHYLENE GLYCOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: ANTIFOAM
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CALIBRATION GAS NO2 50 PPM, N2
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CHEM TREAT BL-4123
Other Information: COOLING WATER TREATMENT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CHEMTREAT BL-1555
Other Information: BOILER NEUTRALIZING AMINE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

KELCO (Continued) **S105113177**

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	7758-11-4
Name:	DIPOTASSIUM PHOSPHATE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	64-17-5
Name:	ETHANOL
Other Information:	GRAIN ALCOHOL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	Not reported
Name:	NEXGUARD 22350
Other Information:	WATER TREATMENT CHEMICAL
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN LIQUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CRYOGENIC
Hazardous Categories 2:	ACUTE

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	9014-01-1
Name:	OPTIMASE APL 440F6
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN LIQUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CRYOGENIC

Facility Id:	138979
Update Date:	11/02/2012
Case Number:	n/a

KELCO (Continued) **S105113177**

Name: PERLITE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: POTASSIUM CHLORIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 1310-73-2
Name: SODIUM HYDROXIDE
Other Information: CAUSTIC SODA
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS'
Other Information: SURPLUS CHEM TREAT BL-100
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information: SURPLUS ANTIBIOTICS & AMINO ACIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS'
Other Information: SURPLUS CHEMTREAT BL-1344
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER) /
Other Information: SAND FILTER MEDIA
Material Waste: Waste

KELCO (Continued) **S105113177**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: MOTOR OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: IPA AND WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE-
Other Information: GLYOXAL & WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: OILY SOLIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

KELCO (Continued) **S105113177**

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: CHEM TREAT BL-4815
Other Information: COOLING WATER TREATMENT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 50-21-5
Name: LACTIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: PROPRIET-AR-Y
Name: MAZU DF 204
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7558-80-7
Name: MONOSODIUM PHOSPHATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 1049-21-5
Name: POTASSIUM PHOSPHATE, MONOBASIC
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7647-14-5
Name: SODIUM CHLORIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 7631-99-4

KELCO (Continued) **S105113177**

Name: SODIUM NITRATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: 57-13-6
Name: UREA
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 112 ACID SOL'N W/OUT METALS - R
Other Information: NITRIC, HCL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 121 ALKALINE SOL'N WITH METALS
Other Information: SODIUM MOLYBDATE & SODIUM NITRITE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information: POTASSIUM HYDROXIDE WITH SOLIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS'
Other Information: POTASSIUM HYDROXIDE CONTAMINATED SOLIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: AEROSOL CANS
Material Waste: Waste

KELCO (Continued) **S105113177**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 513 EMPTY CONTNR(LESS THAN 30 GAL)‘
Other Information: EMPTY COMPRESSED GAS CYLINDERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138979
Update Date: 11/02/2012
Case Number: Not reported
Name: ZEP-DZ-7
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Violations Active Permits:
Facility Id: 138979
Update Date: 11/02/2012
Inspection Date: 10/02/2003
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Facility Id: 138979
Update Date: 11/02/2012
Inspection Date: 10/02/2003
Violation Code: 6HV4209
Violation: NO GENERATOR’S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator’s name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 138979
Update Date: 11/02/2012
Inspection Date: 10/02/2003
Violation Code: 6HV4204
Violation: WARNING SIGN NOT POSTED
Violation Citation: MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310

KELCO (Continued) **S105113177**

Activity: ACTIVE

Facility Id: 138979
Update Date: 11/02/2012
Inspection Date: 10/02/2003
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

U111 **CP KELCO** **RCRA-LQG** **1004676382**
ESE **2025 HARBOR DR E** **CA ENVIROSTOR** **CAR000084533**
1/4-1/2 **SAN DIEGO, CA 92113** **ICIS**
0.424 mi. **US AIRS**
2240 ft. **Site 4 of 4 in cluster U** **FINDS**
ECHO

Relative:
Higher

Actual:
32 ft.

RCRA-LQG:
Date form received by agency: 03/01/2014
Facility name: CP KELCO
Facility address: 2025 EAST HARBOR DRIVE
SAN DIEGO, CA 92113
EPA ID: CAR000084533
Mailing address: EAST HARBOR DRIVE
SAN DIEGO, CA 92113
Contact: TONY BRENTNALL
Contact address: EAST HARBOR DRIVE
SAN DIEGO, CA 92113
Contact country: Not reported
Contact telephone: (619) 595-5957
Contact email: TONY.BRENTNALL@CPKELCO.COM
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: CP KELCO
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private

CP KELCO (Continued) **1004676382**

Owner/Operator Type: Operator
Owner/Op start date: 09/30/2004
Owner/Op end date: Not reported

Owner/operator name: HUBER EQUITY CORPORATION
Owner/operator address: EAST HARBOR DRIVE
SAN DIEGO, CA 92113
Owner/operator country: Not reported
Owner/operator telephone: (619) 595-5957
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/30/2004
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 133
. Waste name: 133

. Waste code: 141
. Waste name: 141

. Waste code: 151
. Waste name: 151

. Waste code: 181
. Waste name: 181

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

. Waste code: 342
. Waste name: 342

. Waste code: 343
. Waste name: 343

CP KELCO (Continued) **1004676382**

. Waste code: 551
. Waste name: 551

. Waste code: 727
. Waste name: 727

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

CP KELCO (Continued) **1004676382**

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U188
. Waste name: PHENOL

Historical Generators:
Date form received by agency: 05/22/2012
Site name: CP KELCO
Classification: Large Quantity Generator

. Waste code: 132
. Waste name: 132

. Waste code: 135
. Waste name: 135

. Waste code: 161
. Waste name: 161

. Waste code: 181
. Waste name: 181

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 551
. Waste name: 551

. Waste code: 791

CP KELCO (Continued) **1004676382**

. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 03/02/2010
Site name: CP KELCO
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 132

CP KELCO (Continued) **1004676382**

. Waste name: 132

. Waste code: 171
. Waste name: 171

. Waste code: 181
. Waste name: 181

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 232
. Waste name: 232

. Waste code: 261
. Waste name: 261

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011

CP KELCO (Continued) **1004676382**

. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U052
. Waste name: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Date form received by agency: 02/28/2006
Site name: CP KELCO
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 151
. Waste name: 151

. Waste code: 181

CP KELCO (Continued) **1004676382**

. Waste name: 181

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 551
. Waste name: 551

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D038
. Waste name: PYRIDINE

Date form received by agency: 02/28/2006
Site name: CP KELCO
Classification: Small Quantity Generator

Date form received by agency: 10/27/2004
Site name: CP KELCO
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

CP KELCO (Continued) **1004676382**

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

Date form received by agency: 02/28/2002
Site name: CP KELCO
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 141
. Waste name: 141

. Waste code: 181
. Waste name: 181

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: 611
. Waste name: 611

. Waste code: 727
. Waste name: 727

. Waste code: 791
. Waste name: 791

CP KELCO (Continued) **1004676382**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

Date form received by agency: 10/12/2000
Site name: C P KELCO
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D009
. Waste name: MERCURY

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 34987

CP KELCO (Continued) **1004676382**

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 26859

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 500

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 408

Waste code: D038
Waste name: PYRIDINE
Amount (Lbs): 770

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 408

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 408

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 1178

CP KELCO (Continued) **1004676382**

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/02/2003
Date achieved compliance: 10/15/2003
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 279
Area of violation: Used Oil - Generators
Date violation determined: 06/08/2001
Date achieved compliance: 06/22/2001
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 07/26/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 279
Area of violation: Used Oil - Generators
Date violation determined: 06/08/2001
Date achieved compliance: 06/22/2001
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/27/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 06/08/2001
Date achieved compliance: 06/22/2001
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/27/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

CP KELCO (Continued) **1004676382**

Regulation violated: F - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 06/08/2001
Date achieved compliance: 06/22/2001
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 07/26/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 10/02/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/15/2003
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 06/08/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: 06/22/2001
Evaluation lead agency: EPA

Evaluation date: 06/08/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/22/2001
Evaluation lead agency: EPA

ENVIROSTOR:
Facility ID: 37000035
Status: Refer: 1248 Local Agency
Status Date: 04/12/2001
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 80
Senate: 40
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 32.69588
Longitude: -117.1444
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED

CP KELCO (Continued) **1004676382**

Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 37000035
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 04/12/2001
Comments: SB 1248 San Diego County

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ICIS:
Enforcement Action ID: CASDSA0000060730002900177
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900177
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900175
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900175
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2833
Federal Facility ID: Not reported

CP KELCO (Continued) **1004676382**

Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900174
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900174
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900166
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900166
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Warning Letter
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: DAWL
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900161
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900161
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal

CP KELCO (Continued) **1004676382**

EA Type Code: SCAAAO
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900160
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900160
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900157
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900157
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900156
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900156
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation

CP KELCO (Continued) **1004676382**

Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900151
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900151
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900150
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900150
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900145
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900145
Facility Name: KELCO MONSANTO CO

CP KELCO (Continued) **1004676382**

Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900144
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900144
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900138
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900138
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900136

CP KELCO (Continued) **1004676382**

FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900136
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900125
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900125
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900110
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900110
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411

CP KELCO (Continued) **1004676382**

Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900098
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900098
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900096
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900096
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900089
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900089
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403

CP KELCO (Continued) **1004676382**

Permit Type Desc:	Not reported
Program System Acronym:	CASDS0000607300029
Facility NAICS Code:	325411
Tribal Land Code:	Not reported
Enforcement Action ID:	CASDSA0000060730002900088
FRS ID:	110001199792
Action Name:	KELCO MONSANTO CO 060730002900088
Facility Name:	KELCO MONSANTO CO
Facility Address:	2025 HARBOR DR E SAN DIEGO, CA 92113
Enforcement Action Type:	Notice of Violation
Facility County:	SAN DIEGO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2833
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.696772
Longitude in Decimal Degrees:	-117.145403
Permit Type Desc:	Not reported
Program System Acronym:	CASDS0000607300029
Facility NAICS Code:	325411
Tribal Land Code:	Not reported
Enforcement Action ID:	CASDSA0000060730002900082
FRS ID:	110001199792
Action Name:	KELCO MONSANTO CO 060730002900082
Facility Name:	KELCO MONSANTO CO
Facility Address:	2025 HARBOR DR E SAN DIEGO, CA 92113
Enforcement Action Type:	Notice of Violation
Facility County:	SAN DIEGO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2833
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.696772
Longitude in Decimal Degrees:	-117.145403
Permit Type Desc:	Not reported
Program System Acronym:	CASDS0000607300029
Facility NAICS Code:	325411
Tribal Land Code:	Not reported
Enforcement Action ID:	CASDSA0000060730002900070
FRS ID:	110001199792
Action Name:	KELCO MONSANTO CO 060730002900070
Facility Name:	KELCO MONSANTO CO
Facility Address:	2025 HARBOR DR E SAN DIEGO, CA 92113
Enforcement Action Type:	Notice of Violation
Facility County:	SAN DIEGO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2833

CP KELCO (Continued) **1004676382**

Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900066
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900066
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900064
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900064
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900060
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900060
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR

CP KELCO (Continued) **1004676382**

Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730002900051
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900051
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

Enforcement Action ID: 09-1996-A011
FRS ID: 110001199792
Action Name: KELCO MONSANTO CO 060730002900056
Facility Name: KELCO MONSANTO CO
Facility Address: 2025 HARBOR DR E
SAN DIEGO, CA 92113
Enforcement Action Type: Civil Judicial Action
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 2833
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.696772
Longitude in Decimal Degrees: -117.145403
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300029
Facility NAICS Code: 325411
Tribal Land Code: Not reported

US AIRS (AFS):
Envid: 1004676382
Region Code: 09
County Code: CA073
Programmatic ID: AIR CASDS0000607300029

CP KELCO (Continued) **1004676382**

Facility Registry ID: 110001199792
D and B Number: Not reported
Facility Site Name: KELCO MONSANTO CO
Primary SIC Code: 2833
NAICS Code: 325411
Default Air Classification Code: SMI
Facility Type of Ownership Code: POF
Air CMS Category Code: OTH
HPV Status: Not reported

US AIRS (AFS):
Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1994-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1995-02-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1996-03-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1997-05-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

CP KELCO (Continued) **1004676382**

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1998-01-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1999-03-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2000-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2000-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2001-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

CP KELCO (Continued) **1004676382**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2002-03-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2002-07-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2011-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2012-01-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)

CP KELCO (Continued) **1004676382**

Activity Date: 2013-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2014-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 1984-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 1985-03-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 1987-07-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792

CP KELCO (Continued) **1004676382**

Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 1987-12-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 1988-07-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 1989-07-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 1990-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 1991-01-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

CP KELCO (Continued) **1004676382**

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 1993-03-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 1994-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 1995-02-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 1996-03-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 1997-05-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

CP KELCO (Continued) **1004676382**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 1998-01-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 1999-03-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 2000-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 2000-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards

CP KELCO (Continued) **1004676382**

Activity Date: 2001-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 2002-03-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 2002-07-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 2011-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 2012-01-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792

CP KELCO (Continued) **1004676382**

Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 2013-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Performance Standards
Activity Date: 2014-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Review Permit Requirements
Activity Date: Not reported
Activity Status Date: 1996-09-05 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Review Permit Requirements
Activity Date: 1997-05-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Review Permit Requirements
Activity Date: 1998-01-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

CP KELCO (Continued) **1004676382**

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Review Permit Requirements
Activity Date: 1999-03-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Review Permit Requirements
Activity Date: 2000-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Review Permit Requirements
Activity Date: 2000-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Review Permit Requirements
Activity Date: 2001-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Review Permit Requirements
Activity Date: 2002-03-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

CP KELCO (Continued) **1004676382**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Review Permit Requirements
Activity Date: 2002-07-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Review Permit Requirements
Activity Date: 2011-05-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Review Permit Requirements
Activity Date: 2011-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Review Permit Requirements
Activity Date: 2012-01-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Review Permit Requirements

CP KELCO (Continued) **1004676382**

Activity Date: 2013-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Review Permit Requirements
Activity Date: 2014-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: New Source Review Permit Requirements
Activity Date: 1996-09-05 00:00:00
Activity Status Date: 1996-09-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Judicial
Activity Status: Closed

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1984-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1987-03-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792

CP KELCO (Continued) **1004676382**

Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1987-07-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1989-07-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1990-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1991-01-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1993-03-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

CP KELCO (Continued) **1004676382**

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1994-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1995-02-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1996-03-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1997-05-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1998-01-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

CP KELCO (Continued) **1004676382**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1999-03-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2000-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2000-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2001-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality

CP KELCO (Continued) **1004676382**

Activity Date: 2002-03-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2002-07-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2011-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2012-01-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2013-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792

CP KELCO (Continued) **1004676382**

Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2014-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1995-04-11 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1998-03-30 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1974-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1976-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

CP KELCO (Continued) **1004676382**

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-04-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-03-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-03-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-03-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-03-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

CP KELCO (Continued) **1004676382**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-02-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-03-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-07-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-12-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

CP KELCO (Continued) **1004676382**

Activity Date: 1988-07-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-07-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-01-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792

CP KELCO (Continued) **1004676382**

Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-03-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-02-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-03-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-05-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

CP KELCO (Continued) **1004676382**

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-01-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-03-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

CP KELCO (Continued) **1004676382**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-03-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-07-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-05-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

CP KELCO (Continued) **1004676382**

Activity Date: 2008-07-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792

CP KELCO (Continued) **1004676382**

Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-01-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-11-08 00:00:00
Activity Status Date: 1995-11-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-03-30 00:00:00
Activity Status Date: 1998-03-30 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

CP KELCO (Continued) **1004676382**

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-03-20 00:00:00
Activity Status Date: 1995-03-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-12-22 00:00:00
Activity Status Date: 1997-12-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1996-12-10 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1998-05-21 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1998-06-22 00:00:00
Activity Group: Case File

CP KELCO (Continued) **1004676382**

Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1998-09-21 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1999-04-01 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2001-03-21 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2002-09-25 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits

CP KELCO (Continued) **1004676382**

Activity Date: Not reported
Activity Status Date: 2003-09-05 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2004-05-10 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 1997-05-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 1998-01-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 1999-03-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792

CP KELCO (Continued) **1004676382**

Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2000-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2000-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2002-03-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2002-05-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2002-07-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

CP KELCO (Continued) **1004676382**

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2003-05-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2003-06-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2003-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2004-01-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2004-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

CP KELCO (Continued) **1004676382**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2005-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2005-03-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2005-04-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 1996-12-10 00:00:00
Activity Status Date: 1996-12-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits

CP KELCO (Continued) **1004676382**

Activity Date: 1998-02-22 00:00:00
Activity Status Date: 1998-02-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 1998-06-22 00:00:00
Activity Status Date: 1998-06-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 1998-09-21 00:00:00
Activity Status Date: 1998-09-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 1999-02-22 00:00:00
Activity Status Date: 1999-02-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2000-10-20 00:00:00
Activity Status Date: 2000-10-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792

CP KELCO (Continued) **1004676382**

Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2002-01-24 00:00:00
Activity Status Date: 2002-01-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2002-08-20 00:00:00
Activity Status Date: 2002-08-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2002-12-17 00:00:00
Activity Status Date: 2002-12-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2003-09-03 00:00:00
Activity Status Date: 2003-09-03 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 1996-05-07 00:00:00
Activity Status Date: 1996-05-07 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

CP KELCO (Continued) **1004676382**

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 1996-11-05 00:00:00
Activity Status Date: 1996-11-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 1997-06-10 00:00:00
Activity Status Date: 1997-06-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 1997-08-13 00:00:00
Activity Status Date: 1997-08-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 1998-07-28 00:00:00
Activity Status Date: 1998-07-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300029
Facility Registry ID: 110001199792
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 1998-12-16 00:00:00
Activity Status Date: 1998-12-16 00:00:00
Activity Group: Enforcement Action

CP KELCO (Continued) **1004676382**

Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	09
Programmatic ID:	AIR CASDS0000607300029
Facility Registry ID:	110001199792
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	Title V Permits
Activity Date:	2000-08-02 00:00:00
Activity Status Date:	2000-08-02 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	09
Programmatic ID:	AIR CASDS0000607300029
Facility Registry ID:	110001199792
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	Title V Permits
Activity Date:	2001-04-25 00:00:00
Activity Status Date:	2001-04-25 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	09
Programmatic ID:	AIR CASDS0000607300029
Facility Registry ID:	110001199792
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	Title V Permits
Activity Date:	2002-06-07 00:00:00
Activity Status Date:	2002-06-07 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	09
Programmatic ID:	AIR CASDS0000607300029
Facility Registry ID:	110001199792
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	Title V Permits
Activity Date:	2002-10-23 00:00:00
Activity Status Date:	2002-10-23 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	09
Programmatic ID:	AIR CASDS0000607300029
Facility Registry ID:	110001199792
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	Title V Permits

CP KELCO (Continued) **1004676382**

Activity Date:	2003-01-28 00:00:00
Activity Status Date:	2003-01-28 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	09
Programmatic ID:	AIR CASDS0000607300029
Facility Registry ID:	110001199792
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	Title V Permits
Activity Date:	2003-04-28 00:00:00
Activity Status Date:	2003-04-28 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved

FINDS:

Registry ID: 110001199792

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

AIR SYNTHETIC MINOR

TSCA SUBMITTER

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CP KELCO (Continued) **1004676382**

HAZARDOUS AIR POLLUTANT MAJOR

US Emissions & Generation Resource Database (EGRID) contains data on emissions and resource mix for virtually every power plant and company that generates electricity in the United States.

HAZARDOUS WASTE BIENNIAL REPORTER

STATE MASTER

ELECTRIC GENERATOR

SPCC

GREENHOUSE GAS REPORTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

ECHO:

Envid:	1004676382
Registry ID:	110001199792
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110001199792

V112 **THE FACTORY ROWHOMES, LLC** **CA SLIC** **S118504873**
ENE **1776 NATIONAL AVENUE** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.427 mi.
2257 ft. **Site 1 of 6 in cluster V**

Relative:
Higher

Actual:
52 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	04/26/2016
Global Id:	T10000008826
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	DEH2016-LSAM-000369
Latitude:	32.70234
Longitude:	-117.14684
Case Type:	Cleanup Program Site
Case Worker:	JC
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Not reported

THE FACTORY ROWHOMES, LLC (Continued) **S118504873**

Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

V113 **TROPIC ICE CREAM** **CA LUST** **S104745710**
ENE **1776 NATIONAL** **CA SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113** **CA San Diego Co. HMMD**
0.427 mi. **CA HIST CORTESE**
2257 ft. **Site 2 of 6 in cluster V** **CA NPDES**

Relative:
Higher

Actual:
52 ft.

LUST:
Region: STATE
Global Id: T0607300611
Latitude: 32.7023719
Longitude: -117.146963
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 06/18/1996
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT1822
LOC Case Number: H03524-001
File Location: Local Agency
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607300611
Status: Completed - Case Closed
Status Date: 06/18/1996

Global Id: T0607300611
Status: Open - Case Begin Date
Status Date: 06/07/1990

Regulatory Activities:
Global Id: T0607300611
Action Type: ENFORCEMENT
Date: 09/26/1990
Action: Notice of Responsibility

SAN DIEGO CO. SAM:
Case Number: H03524-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 6/18/1996
Date Began: 6/7/1990

TROPIC ICE CREAM (Continued) **S104745710**

SAN DIEGO CO. HMMD:

Facility Id:	103524
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	538-050-12-00
Last HMMD Inspection:	01/26/1990
Permit Status:	INAC
Permit Expiration:	01/26/1990
Facility Owner:	HOWARD BROCKMAN
Facility Address:	1776 NATIONAL AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113-1011
UST Owner:	HOWARD BROCKMAN
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103524 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103524
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	2500
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1990-07-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 103524 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103524
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	2000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1990-07-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 103524 T003

TROPIC ICE CREAM (Continued) **S104745710**

Last Update:	2012-11-02 14:17:38
Permit Number:	103524
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	2000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1990-07-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 103524 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103524
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	500
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1990-07-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1822

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	420310
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I023341
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported

TROPIC ICE CREAM (Continued) **S104745710**

Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	9/20/2011
PROCESSED DATE:	9/20/2011
STATUS CODE NAME:	Active
STATUS DATE:	9/20/2011
PLACE SIZE:	10000
PLACE SIZE UNIT:	53
FACILITY CONTACT NAME:	Matthew Berger
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	858-568-1283
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	California Experience LLC
OPERATOR ADDRESS:	700 W E St 502
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92101
OPERATOR CONTACT NAME:	Matthew Berger
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	858-568-1283
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	999-999-9999
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	pacific
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported

TROPIC ICE CREAM (Continued) **S104745710**

PRIMARY SIC:	3713-Truck and Bus Bodies
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Terminated
Agency Id:	0
Region:	9
Regulatory Measure Id:	420310
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I023341
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/20/2011
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	11/21/2014
Discharge Name:	California Experience LLC
Discharge Address:	706 Kettner Blvd
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92101
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported

TROPIC ICE CREAM (Continued) **S104745710**

CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

V114 **TROPIC ICE CREAM CO** **CA LUST** **S100233011**
ENE **1776 NATIONAL AVE** **CA SWEEPS UST** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.427 mi.
2257 ft. **Site 3 of 6 in cluster V**

Relative:
Higher

Actual:
52 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1822
Local Case:	H03524-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	06/07/1990
Date Stopped:	06/07/1990
Confirm Date:	/ /
Submit Workplan:	9/26/90
Prelim Assess:	10/23/1992
Desc Pollution:	Not reported
Remed Plan:	10/24/1991
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	06/07/1990
Enforce Date:	Not reported
Closed Date:	6/18/96
Enforce Type:	Not reported

TROPIC ICE CREAM CO (Continued) **S100233011**

Pilot Program: LOP
Basin Number: 908.22
GW Depth: 24'
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 1C
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Not reported
Comp Number: 3524
Number: Not reported
Board Of Equalization: 44-021879
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003524-000001
Tank Status: Not reported
Capacity: 2500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 4

Status: Not reported
Comp Number: 3524
Number: Not reported
Board Of Equalization: 44-021879
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003524-000002
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 3524
Number: Not reported
Board Of Equalization: 44-021879
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003524-000003
Tank Status: Not reported
Capacity: 2000

TROPIC ICE CREAM CO (Continued) **S100233011**

Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	3524
Number:	Not reported
Board Of Equalization:	44-021879
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003524-000004
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

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115 **MERCADO DEL BARRIO** **CA SLIC** **S110656443**
East **CESAR CHAVEZ PARKWAY AND NATIONAL AVENUE** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.429 mi.
2264 ft.

Relative:
Higher

Actual:
42 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/26/2012
Global Id:	T10000002609
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H39637-002
Latitude:	32.6993351965106
Longitude:	-117.145264148712
Case Type:	Cleanup Program Site
Case Worker:	KK
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Lead, Other Metal, Diesel, Waste Oil / Motor / Hydraulic / Lubricating
Site History:	The site property consists of approximately 6.43 acres and encompasses two full blocks bound by National Avenue, Main Street, Cesar Chavez Parkway and the Coronado Bridge Right-of-Way in the City of San Diego. The site was originally acquired by Mercado Alliance LLC and slated for redevelopment with regulatory oversight by the County of San Diego, Department of Environmental Health (DEH), Voluntary Assistance Program (VAP) under case number H39637-001. When remediation and redevelopment plans fell through, the Redevelopment Agency of the City of San Diego took control of the property and subsequently transferred it to Shea Properties for remediation and redevelopment. The proposed site use is slab on grade commercial with residential units above some of the commercial buildings. Remediation activities related to hydrocarbon- and metals-impacted soil were

MERCADO DEL BARRIO (Continued) **S110656443**

overseen in the VAP under case number H39637-002. This closure addresses both VAP cases, H39637-001 (assessment only) and -002 (assessment and remediation). Due to the size and location of the site, there have been numerous historical land uses, including a wrecking yard, lumber yard, vehicle repair and painting facilities, oil storage and distribution, recycling center, junk yard, etc. Most recently, prior to development, the site was a vacant lot. During the course of remediation activities, three underground storage tanks (USTs), likely associated with historical land uses, were discovered and removed under permit and oversight of the County of San Diego, Department of Environmental Health. The majority of observed soil impacts were related to heavy metals found to be nearly ubiquitous across the site in the upper four feet of soil, likely associated with undocumented fill or other historical land uses. In addition, a number of historical features were identified before and during excavation activities, including in-ground hydraulic lifts, cisterns, debris pits, USTs, etc, which contained undocumented fill (with heavy metals), hydrocarbons, and other volatile organic compounds (VOCs). The majority of these features were generally observed in the upper 12 feet with a few exceptions extending up to 25 feet below grade. Assessment and remediation of these features were conducted concurrently. Concentrations of total petroleum hydrocarbons as gasoline, diesel, and oil in soil were detected up to 53, 690, and 2,700 milligrams per kilogram (mg/kg), respectively. VOCs were largely absent from the site or observed at relatively low concentrations with a few notable exceptions including trichloroethylene (TCE) and 1,2,4-trimethylbenzene at 4.1 and 3.2 mg/kg, respectively. The majority of Title 22 metals were observed above mitigation criteria in one or more locations, including lead, the primary metal constituent of concern, which was observed in soil up to 8,340 mg/kg. Depth to groundwater at the site was observed in a few open boreholes between 32.5 and 39 feet below grade. Groundwater analytical data is limited to a few groundwater samples collected during assessment activities associated with case H39637-001. Only a few chemicals were detected in groundwater above laboratory reporting limits, most notably tetrachloroethene (PCE) and TCE, detected up to 59 and 600 micrograms per liter, respectively, as well as their associated breakdown products. Cleanup goals for metals-impacted soil located within the construction envelop were based on San Diego Regional Water Quality Control Board Resolution R9-2007-0104, Tier 1 Soil Reuse guidelines utilizing a 90% upper confidence level (UCL). Cleanup goals for hydrocarbon- and VOC-impacted soil were determined to be concentrations below laboratory reporting limits. The majority of soil which exceeded established cleanup goals was stockpiled and reused in the northern portion of the site. Approximately 22,439 cubic yards of impacted soil was consolidated and capped with at least three feel of clean soil. Impacted soil with metal concentrations which exceeded California hazardous waste criteria, detectable levels of VOCs, or total petroleum hydrocarbon impacts in excess of 5,000 mg/kg was excavated, stockpiled, characterized, and disposed offsite at approved facilities. Approximately 604 tons (or approximately 400 cubic yards) of impacted soil were determined not to meet soil reuse requirements and was subsequently disposed offsite at approved facilities. Soil which met the aforementioned reused criteria was placed beneath commercial buildings and paved parking areas in the northern portion of the site at an elevation ranging from approximately 21 to 31.5 feet above mean sea level. With a

MERCADO DEL BARRIO (Continued) **S110656443**

maximum placement depth of 21 feet above mean sea level, a minimum of 15 feet was determined to separate impacted soil from observed non-beneficial groundwater elevations at the site. In addition, a minimum of three feet of un-impacted soil separates all structures, above and below grade, from impacted soil, minimizing the potential for incidental exposure. There were a few minor variances from the aforementioned cleanup goals as identified below: 1. Four soil samples were collected beneath the sidewalk on National Avenue at 0.5 fbg with lead ranging from 3.62 to 394 mg/kg. Prior to implementation of remediation activities, the City of San Diego disturbed this material during utility upgrades. The consultant subsequently removed, stockpiled, and collected five samples from the soil stockpile. Analysis of these samples indicated lead ranging from 1.28 to 29.3 mg/kg and this material was subsequently placed in the soil reuse area. 2. The consultant utilized a 90% UCL to evaluate grid confirmation samples as proposed in the Soil Reuse Plan, dated October 8, 2010, and subsequently approved by DEH in a letter dated February 17, 2011. The consultant also utilized this approach in a few situations associated with the aforementioned features and in areas not initially available for remediation, such as soil beneath Newton Avenue and some of the sidewalks adjacent to the site. In each case, a statistical evaluation was conducted in accordance with standard industry practice and associated soil was determined to meet the cleanup goals established for the site. 3. Feature 9, a debris pit (Figure 4 of the Property Closure Report, dated December 6, 2011), contained several Title 22 metals above both mitigation and reuse criteria. As a result, this feature was excavated for offsite disposal to approximately 21 fbg, the maximum depth of the soil reuse area to which it was adjacent, and the maximum possible depth of excavation without undermining the soil reuse area. A sidewall confirmation sample at 19 fbg indicated that arsenic remained at a concentration of 4.84 mg/kg, slightly above the mitigation criteria of 3.5 mg/kg. In addition, lead and zinc were detected in the feature base confirmation sample at 21 fbg at a concentration of 950 mg/kg and 464 mg/kg, respectively, above the mitigation criteria of 15 and 149 mg/kg, respectively. Since further excavation in this area was not feasible due to sidewall stability concerns, and considering that remaining metals-impacted soil was at or near the maximum depth of the soil reuse area, further excavation was not conducted for Feature 9. 4. Feature 10 (Figure 4 of the Property Closure Report, dated December 6, 2011) consisted of approximately 100 cubic yards of relatively minor hydrocarbon-impact soil observed up to a depth of 25 fbg. Low levels of naphthalene (140 micrograms per kilogram [%g/kg] in one sample), ethylbenzene (31 %g/kg in one sample), and seven other VOCs not considered to be carcinogenic were observed in feature material. The consultant reused this feature material at the site due to the relatively minor concentrations of VOCs observed in a limited number of samples. 5. In three instances (Feature 12, Feature 15, and Feature 19 - Figure 4 of the Property Closure Report, dated December 6, 2011), metal-impacted soil slightly above the mitigation criteria was left in place following the complete removal of soil identified to be feature material. In each case, impacted soil associated with confirmation samples consisted of native material, as determined by a California Professional Geologist, that was located between six and 12 fbg. Due to the depth, location, and relatively minor concentrations of impacts, the potential for human or ecological exposure is low. A vapor risk assessment was conducted at the site

MERCADO DEL BARRIO (Continued) **S110656443**

and included the collection and analysis of soil gas from 22 locations across the site in areas where slab on grade buildings were proposed. Low levels of VOCs were observed in five of the 22 sampling locations as identified above. The resulting vapor risk evaluation indicted a cumulative human health risk less than the threshold of concern of one in a million. Based on this evaluation, the consultant concluded that the potential for human health risk associated with VOCs at the site is low. The consultant concluded that the proposed site use as slab on grade commercial is protective of human health and the environment and that the likelihood of completing a potential exposure pathway, including potential vapor risk, is low. It is the consultants opinion that no further action is necessary at the site. Based on the provided data, the County of San Diego, Department of Environmental Health agrees with this conclusion.

Click here to access the California GeoTracker records for this facility:

P116 **TRIANGLE PROPERTY** **CA SAN DIEGO CO. SAM** **S106875120**
NNE **65 13TH ST** **CA SLIC** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.433 mi.
2287 ft. **Site 2 of 4 in cluster P**

Relative:
Higher

Actual:
22 ft.

SAN DIEGO CO. SAM:

Case Number:	H39657-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Preliminary Assessment
Date:	8/10/2004
Date Began:	Not reported

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	08/10/2004
Global Id:	T06019703949
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H39657-001
Latitude:	32.706029
Longitude:	-117.15247
Case Type:	Cleanup Program Site
Case Worker:	LA
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

P117 **MTS TOWER PARKING GARAGE** **CA SLIC** **S106519112**
North **12TH & IMPERIAL AVE.** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101**
0.434 mi.
2291 ft. **Site 3 of 4 in cluster P**

Relative:
Higher

Actual:
22 ft.

SLIC REG 9:

Region:	9
Facilty Type:	Not reported
Status:	Open
Sort Code:	20-0010.05
Waste Discharger Id:	Not reported
Local Case Num:	Not reported
Responsible Party:	STARBOARD DEVELOPMENT CORP.
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	Not reported
File Number:	1
Date Entered:	03/1988
End Date:	Not reported
Archive Box #:	0
Archive Box Storage:	Not reported
Archive Box Storage Location:	Not reported
Remarks:	Not reported

Region:	9
Facilty Type:	Not reported
Status:	Dead
Sort Code:	20-0010.051
Waste Discharger Id:	Not reported
Local Case Num:	Not reported
Responsible Party:	STARBOARD DEVELOPMENT CORP.
Category:	ENF. REPORT
Class:	SLIC
Order Number:	Not reported
File Number:	1
Date Entered:	05/1989
End Date:	10/1990
Archive Box #:	908
Archive Box Storage:	3-1-12R
Archive Box Storage Location:	Not reported
Remarks:	Not reported

Region:	9
Facilty Type:	Not reported
Status:	Closed
Sort Code:	20-0010.N01
Waste Discharger Id:	Not reported
Local Case Num:	Not reported
Responsible Party:	STARBOARD DEVELOPMENT CORP.
Category:	TECHNICAL
Class:	SLIC
Order Number:	Not reported
File Number:	1
Date Entered:	05/1989
End Date:	10/1990
Archive Box #:	0
Archive Box Storage:	Not reported
Archive Box Storage Location:	Not reported

MTS TOWER PARKING GARAGE (Continued) **S106519112**

Remarks:	Not reported
Region:	9
Facilty Type:	Not reported
Status:	Open
Sort Code:	20-0010.N01
Waste Discharger Id:	Not reported
Local Case Num:	Not reported
Responsible Party:	STARBOARD DEVELOPMENT CORP.
Category:	TECHNICAL
Class:	SLIC
Order Number:	Not reported
File Number:	2
Date Entered:	02/1991
End Date:	Not reported
Archive Box #:	0
Archive Box Storage:	Not reported
Archive Box Storage Location:	Not reported
Remarks:	Not reported

P118 **SDG & E PROPERTY** **CA SAN DIEGO CO. SAM** **S107619913**
North **0 IMPERIAL AV** **CA SLIC** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101**
0.435 mi.
2296 ft. **Site 4 of 4 in cluster P**

Relative:
Higher

Actual:
22 ft.

SAN DIEGO CO. SAM:

Case Number:	H39679-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Preliminary Assessment
Date:	11/10/2005
Date Began:	11/10/2005

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	11/10/2005
Global Id:	T06019791303
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H39679-001
Latitude:	32.7055080793351
Longitude:	-117.155146541428
Case Type:	Cleanup Program Site
Case Worker:	KH
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Lead, Gasoline, Heating Oil / Fuel Oil, Polynuclear aromatic hydrocarbons (PAHs)
Site History:	Former SDG&E property known as Station A now owned by JMI and is known as Parcel D.

Click here to access the California GeoTracker records for this facility:

W119 **CROSBY ST CORRIDOR** **CA SLIC** **S106916598**
ENE **NONE CROSBY ST** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.438 mi.
2313 ft. **Site 1 of 3 in cluster W**

Relative:
Higher

Actual:
49 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/15/2012
Global Id:	T0608151971
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H34128-001
Latitude:	32.7002591
Longitude:	-117.1454371
Case Type:	Cleanup Program Site
Case Worker:	SW
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Please refer to "Site Maps/Documents" tab for Closure Memo

Click here to access the California GeoTracker records for this facility:

W120 **SEE CASE H39637-002 - MERCADO DEL BARRIO** **CA SLIC** **S106874815**
ENE **NONE NATIONAL AVENUE** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101**
0.438 mi.
2313 ft. **Site 2 of 3 in cluster W**

Relative:
Higher

Actual:
49 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/26/2012
Global Id:	T0607399805
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H39637-001
Latitude:	32.6994284830116
Longitude:	-117.145531513626
Case Type:	Cleanup Program Site
Case Worker:	KK
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Refer to Case H39637-002 for Closure Letter/Summary.

Click here to access the California GeoTracker records for this facility:

W121 **BETTENCOURT AUTO BODY** **CA LUST** **S102425218**
ENE **1865 NATIONAL AVE** **CA HIST CORTESE** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.439 mi.
2317 ft. **Site 3 of 3 in cluster W**

Relative:
Higher

Actual:
52 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT851
Local Case:	H05615-001
Substance:	0
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Remove Contents
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	11/18/1987
Date Stopped:	11/18/1987
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	12/07/1987
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	11/23/1987
Enforce Date:	Not reported
Closed Date:	2/12/88
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.22
GW Depth:	Not reported
Beneficial Use:	Not reported
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT851

V122 **ROGELIO GARAGES** **CA LUST** **S102438868**
ENE **1792 NATIONAL AVE** **CA SWEEPS UST** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.441 mi.
2328 ft. **Site 4 of 6 in cluster V**

Relative:
Higher

Actual:
55 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT554
Local Case:	H03488-001
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Not reported
Source:	Not reported
Cause:	Not reported
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	11/21/1986
Date Stopped:	11/24/1988
Confirm Date:	11/24/1988
Submit Workplan:	Not reported
Prelim Assess:	02/04/1987
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	11/21/1986
Enforce Date:	Not reported
Closed Date:	9/12/89
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.22
GW Depth:	Not reported
Beneficial Use:	Not reported
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	No
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SWEEPS UST:

Status:	Active
Comp Number:	3488
Number:	9
Board Of Equalization:	44-021872
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported

ROGELIO GARAGES (Continued) **S102438868**

Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 3488
Number: Not reported
Board Of Equalization: 44-021872
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003488-000001
Tank Status: Not reported
Capacity: 150
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: 3

Status: Not reported
Comp Number: 3488
Number: Not reported
Board Of Equalization: 44-021872
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003488-000002
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 3488
Number: Not reported
Board Of Equalization: 44-021872
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003488-000003
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

V123 **YE OLDE TOWN PUMP** **CA LUST** **S104745699**
ENE **1792 NATIONAL AV** **CA SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113** **CA San Diego Co. HMMD**
0.441 mi. **CA HIST CORTESE**
2328 ft. **Site 5 of 6 in cluster V**

Relative:
Higher

Actual:
55 ft.

LUST:

Region:	STATE
Global Id:	T0607302843
Latitude:	32.7021749
Longitude:	-117.146679
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/12/1989
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT554
LOC Case Number:	H03488-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607302843
Status:	Completed - Case Closed
Status Date:	09/12/1989
Global Id:	T0607302843
Status:	Open - Case Begin Date
Status Date:	11/24/1988

Regulatory Activities:

Global Id:	T0607302843
Action Type:	Other
Date:	11/24/1988
Action:	Leak Stopped
Global Id:	T0607302843
Action Type:	Other
Date:	11/24/1988
Action:	Leak Began
Global Id:	T0607302843
Action Type:	Other
Date:	11/24/1988
Action:	Leak Discovery
Global Id:	T0607302843
Action Type:	Other
Date:	11/24/1988
Action:	Leak Reported

SAN DIEGO CO. SAM:

Case Number:	H03488-001

YE OLDE TOWN PUMP (Continued) **S104745699**

Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 9/12/1989
Date Began: 11/24/1988

SAN DIEGO CO. HMMD:
Facility Id: 103488
Business Type: 6HK26
EPA Id Number: CAL000292462
APN: 538-050-14-00
Last HMMD Inspection: 09/14/2011
Permit Status: OPEN
Permit Expiration: 07/31/2013
Facility Owner: DAGO ARIAS
Facility Address: 1792 NATIONAL AV
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92113
UST Owner: SERGIO ESPARZA
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 103488 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 103488
Tank Type: UNKNOWN
Additional Id: 3
Capacity Gallons: 150
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1988-12-20 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 103488 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 103488
Tank Type: UNKNOWN
Additional Id: #2
Capacity Gallons: 8000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1988-12-20 00:00:00
Year Installed: Not reported

YE OLDE TOWN PUMP (Continued) **S104745699**

Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 103488 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 103488
Tank Type: UNKNOWN
Additional Id: #1
Capacity Gallons: 8000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1988-12-20 00:00:00
Year Installed: 1964-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

Active Permits:
Facility Id: 103488
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103488
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103488
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103488
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste

YE OLDE TOWN PUMP (Continued) **S104745699**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 103488
Update Date: 11/02/2012
Inspection Date: 03/27/2007
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Facility Id: 103488
Update Date: 11/02/2012
Inspection Date: 09/14/2011
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: ACTIVE

Facility Id: 103488
Update Date: 11/02/2012
Inspection Date: 06/07/2005
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Facility Id: 103488
Update Date: 11/02/2012
Inspection Date: 03/27/2007
Violation Code: 6HV0407
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity: ACTIVE

Facility Id: 103488
Update Date: 11/02/2012
Inspection Date: 09/14/2011
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Facility Id: 103488
Update Date: 11/02/2012
Inspection Date: 06/07/2005
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation

YE OLDE TOWN PUMP (Continued) **S104745699**

date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 103488
Update Date: 11/02/2012
Inspection Date: 03/27/2007
Violation Code: 6HV0408
Violation: FAILED TO POST ER PLAN BY PHONE
Violation Citation: Small quantity generator of hazardous waste failed to post emergency response plan by phone. CFR 262.34(d)(5)(ii)
Activity: ACTIVE

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT554

---

124 East 1/4-1/2 0.446 mi. 2354 ft.

LOOMIS ARMORED INC
2001 MAIN ST
SAN DIEGO, CA 92113

CA LUST **S102434817**
CA SAN DIEGO CO. SAM **N/A**
CA San Diego Co. HMMD
CA SWEEPS UST
CA HIST CORTESE

Relative: Higher

Actual: 38 ft.

LUST:
Region: STATE
Global Id: T0607303107
Latitude: 32.6976361403006
Longitude: -117.144977590872
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 06/16/1994
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: KH
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT862
LOC Case Number: H21282-001
File Location: Local Agency
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0607303107
Contact Type: Local Agency Caseworker
Contact Name: KEVIN HEATON
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: kevin.heaton@sdcounty.ca.gov
Phone Number: Not reported

Status History:

LOOMIS ARMORED INC (Continued) **S102434817**

Global Id: T0607303107
Status: Completed - Case Closed
Status Date: 06/16/1994

Global Id: T0607303107
Status: Open - Case Begin Date
Status Date: 12/23/1987

Regulatory Activities:
Global Id: T0607303107
Action Type: ENFORCEMENT
Date: 12/23/1987
Action: Notice of Responsibility

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT862
Local Case: H21282-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Remove Contents
Source: Piping
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 12/17/1987
Date Stopped: 12/17/1987
Confirm Date: 12/17/1987
Submit Workplan: Not reported
Prelim Assess: 12/23/1987
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/21/1987
Enforce Date: Not reported
Closed Date: 6/16/94
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: 26’
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Case Number: H21282-001

LOOMIS ARMORED INC (Continued) **S102434817**

Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	6/16/1994
Date Began:	12/17/1987

SAN DIEGO CO. HMMD:

Facility Id:	123031
Business Type:	6HK20
EPA Id Number:	Not reported
APN:	538-670-12-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	03/31/2002
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	121282
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	538-672-04-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	BIG BEAR SUPER MARKET NO. 3
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121282 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121282
Tank Type:	UNKNOWN
Additional Id:	#2
Capacity Gallons:	550
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED

LOOMIS ARMORED INC (Continued) **S102434817**

Reg Status:	REMOVED
Remove Close Date:	1987-12-17 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	24
UST Monitor Method:	VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

UST Name:	UNDERGROUND TANK 121282 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	121282
Tank Type:	UNKNOWN
Additional Id:	#1
Capacity Gallons:	8000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1987-12-17 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	24
UST Monitor Method:	VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

Facility Id:	123030
Business Type:	6HK20
EPA Id Number:	Not reported
APN:	538-670-12-00
Last HMMD Inspection:	04/04/1990
Permit Status:	INAC
Permit Expiration:	04/04/1990
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SWEEPS UST:

Status:	Active
Comp Number:	21282
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported

LOOMIS ARMORED INC (Continued) **S102434817**

Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 21282
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021282-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 2

Status: Not reported
Comp Number: 21282
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021282-000002
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT862

M125 **HERTZ - PENSKE TRUCK LEAS** **CA LUST S101301949**
NNE **1402 COMMERCIAL** **CA SLIC N/A**
1/4-1/2 **SAN DIEGO, CA 92113** **CA SWEEPS UST**
0.447 mi. **CA HIST CORTESE**
2358 ft. **Site 3 of 4 in cluster M**

Relative:
Higher

Actual:
22 ft.

LUST:
Region: STATE
Global Id: T0607301054
Latitude: 32.7057468075545
Longitude: -117.151461238623

HERTZ - PENSKE TRUCK LEAS (Continued) **S101301949**

Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/29/2008
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	KK
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT2288
LOC Case Number:	H12141-001
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	* Chlorinated Hydrocarbons
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607301054
Contact Type:	Local Agency Caseworker
Contact Name:	KEITH KEZER
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	keith.kezer@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607301054
Status:	Completed - Case Closed
Status Date:	04/29/2008

Global Id:	T0607301054
Status:	Open - Case Begin Date
Status Date:	10/01/1992

Regulatory Activities:

Global Id:	T0607301054
Action Type:	ENFORCEMENT
Date:	10/08/1992
Action:	Notice of Responsibility

Global Id:	T0607301054
Action Type:	Other
Date:	10/01/1992
Action:	Leak Stopped

Global Id:	T0607301054
Action Type:	Other
Date:	10/01/1992
Action:	Leak Began

Global Id:	T0607301054
Action Type:	Other
Date:	10/01/1992
Action:	Leak Discovery

Global Id:	T0607301054
Action Type:	Other

HERTZ - PENSKE TRUCK LEAS (Continued) **S101301949**

Date: 10/01/1992
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT2288
Local Case: H12141-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 10/01/1992
Date Stopped: 10/01/1992
Confirm Date: 10/01/1992
Submit Workplan: 10/1/92
Prelim Assess: 10/01/1992
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/01/1992
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: 7.5'
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 04/01/2009
Global Id: T10000000970
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H12141-003
Latitude: 32.705626
Longitude: -117.151434
Case Type: Cleanup Program Site
Case Worker: KK
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported

HERTZ - PENSKE TRUCK LEAS (Continued) **S101301949**

File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 11/20/2008
Global Id: T10000000302
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H12141-002
Latitude: 32.705658
Longitude: -117.151439
Case Type: Cleanup Program Site
Case Worker: KK
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:
Status: Active
Comp Number: 12141
Number: 9
Board Of Equalization: 44-015979
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012141-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 3

Status: Active
Comp Number: 12141
Number: 9
Board Of Equalization: 44-015979
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012141-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL

HERTZ - PENSKE TRUCK LEAS (Continued) **S101301949**

STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 12141
Number: 9
Board Of Equalization: 44-015979
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012141-000003
Tank Status: A
Capacity: 500
Active Date: Not reported
Tank Use: PETROLEUM
STG: P
Content: Not reported
Number Of Tanks: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2288

M126 **PENSKE TRUCK LEASING INC** **CA SAN DIEGO CO. SAM** **U003789319**
NNE **1402 COMMERCIAL ST** **CA UST** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113** **CA San Diego Co. HMMD**
0.447 mi.
2358 ft. **Site 4 of 4 in cluster M**

Relative:
Higher

Actual:
22 ft.

SAN DIEGO CO. SAM:
Case Number: H12141-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 4/29/2008
Date Began: 10/1/1992

Case Number: H12141-002
Agency: DEH Site Assessment & Mitigation
Funding: **XV**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 10/20/2008
Date Began: 8/15/2008

Case Number: H12141-003
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 3/25/2009
Date Began: 1/26/2009

PENSKE TRUCK LEASING INC (Continued) **U003789319**

UST:
Facility ID: H12141
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.706975
Longitude: -117.150085

SAN DIEGO CO. HMMD:
Facility Id: 112141
Business Type: 6HK17
EPA Id Number: CAL000012800
APN: 535-614-11-00
Last HMMD Inspection: 04/27/2007
Permit Status: INAC
Permit Expiration: 11/30/2007
Facility Owner: PENSKE TRUCK LEASING INC
Facility Address: P O BOX 7635
Facility City: READING
Facility State: PA
Facility Zip: 19603-7635
UST Owner: HERTZ PENSKE TRUCK LEASING INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 112141 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 112141
Tank Type: SINGLE WALL
Additional Id: 6831 REGULAR UNLEADED
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1992-01-10 00:00:00
Year Installed: 1962-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 112141 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 112141
Tank Type: SINGLE WALL
Additional Id: 6832
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1992-01-10 00:00:00
Year Installed: Not reported
Pipe Type: Not reported

PENSKE TRUCK LEASING INC (Continued) **U003789319**

Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 112141 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 112141
Tank Type: SINGLE WALL
Additional Id: 6833
Capacity Gallons: 500
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1992-01-10 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 112141 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 112141
Tank Type: DOUBLE WALL
Additional Id: NT1654 REGULAR UNLEADED/AT5289
Capacity Gallons: 20000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 2006-11-07 00:00:00
Year Installed: 1992-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 20
UST Monitor Method: DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name: UNDERGROUND TANK 112141 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 112141
Tank Type: DOUBLE WALL
Additional Id: NT1654 DIESEL/AT5289
Capacity Gallons: 12000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 2006-11-07 00:00:00
Year Installed: 1992-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 20
UST Monitor Method: DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

PENSKE TRUCK LEASING INC (Continued) **U003789319**

Violations Inactive Permits:

Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	02/11/2003
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	Inactive Permit

Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	11/15/2004
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	Inactive Permit

Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	01/03/2006
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	Inactive Permit

Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	02/11/2003
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	Inactive Permit

Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	02/11/2003
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	Inactive Permit

Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	02/11/2003
Violation Code:	6HV3151
Violation:	ALL RELEASES NOT REPORTED/RECORDED
Violation Citation:	All releases not recorded and/or reported. 25294, 25295, 2650, 2651, 2652
Activity:	Inactive Permit

Facility Id:	112141
Update Date:	11/02/2012

PENSKE TRUCK LEASING INC (Continued) **U003789319**

Inspection Date:	11/10/2003
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	Inactive Permit
Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	11/15/2004
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	Inactive Permit
Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	01/03/2006
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	Inactive Permit
Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	11/10/2003
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	Inactive Permit
Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	11/15/2004
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	Inactive Permit
Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	11/10/2003
Violation Code:	6HV3256
Violation:	NO FUNCTIONAL DRAIN BOX/BACKUP
Violation Citation:	Fill box drain not functional and backup system is not available. 2635(b)(1)(C)
Activity:	Inactive Permit
Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	11/10/2003
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)

PENSKE TRUCK LEASING INC (Continued) **U003789319**

Activity:	Inactive Permit
Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	11/15/2004
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	Inactive Permit
Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	11/15/2004
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	Inactive Permit
Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	11/10/2003
Violation Code:	6HV3265
Violation:	SYS NOT RUN TO PREVENT SPILL/OVERFILL
Violation Citation:	UST system not operated to prevent spills and/or overfills. 25292.1(a)
Activity:	Inactive Permit
Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	11/10/2003
Violation Code:	6HV3402
Violation:	PUMP DOESN'T SHUT OFF IF MONITOR DISCONN
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING: OPTION 1-Pump does not shut off when monitor is disconnected or fails. 2636(g)(4)
Activity:	Inactive Permit
Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	11/15/2004
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	Inactive Permit
Facility Id:	112141
Update Date:	11/02/2012
Inspection Date:	11/15/2004
Violation Code:	6HV0210
Violation:	DID NOT CLEAN SPILL TO FLOOR
Violation Citation:	Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity:	Inactive Permit

127
NNW
1/4-1/2
0.449 mi.
2372 ft.

IMPERIAL AV 8TH> >9TH (VAP)
NONE IMPERIAL/BTWN8TH&9TH
SAN DIEGO, CA 92101

CA SLIC **S106916470**
N/A

Relative:
Higher

Actual:
24 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	09/12/2003
Global Id:	T0608109476
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H39132-001
Latitude:	32.7066457039438
Longitude:	-117.15657768951
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Heating Oil / Fuel Oil
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

X128
ENE
1/4-1/2
0.460 mi.
2427 ft.

URBAN CORPS OF SAN DIEGO
1864 NATIONAL AV
SAN DIEGO, CA 92113

Site 1 of 2 in cluster X

CA SAN DIEGO CO. SAM **S104746214**
CA SLIC **N/A**
CA San Diego Co. HMMD

Relative:
Higher

Actual:
55 ft.

SAN DIEGO CO. SAM:

Case Number:	H05615-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	2/12/1988
Date Began:	11/25/1987

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/12/1988
Global Id:	T0607303098
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H05615-001
Latitude:	32.701333
Longitude:	-117.145464
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT851
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

URBAN CORPS OF SAN DIEGO (Continued) **S104746214**

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	105615
Business Type:	6HK70
EPA Id Number:	CAL000027724
APN:	538-250-10-00
Last HMMD Inspection:	10/07/1997
Permit Status:	INAC
Permit Expiration:	10/07/1997
Facility Owner:	TONY MAURICIO
Facility Address:	1864 NATIONAL AVE
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113-2114
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 105615 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	105615
Tank Type:	SINGLE WALL
Additional Id:	AT1038-2
Capacity Gallons:	550
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-11-18 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 105615 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	105615
Tank Type:	SINGLE WALL
Additional Id:	AT1038-1
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-11-18 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR

URBAN CORPS OF SAN DIEGO (Continued) **S104746214**

WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

Y129 **SAINT VINCENT DE PAUL** **CA SAN DIEGO CO. SAM** **S104750598**
NNE **1501 IMPERIAL AV** **CA SLIC** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101** **CA San Diego Co. HMMD**
0.466 mi.
2461 ft. **Site 1 of 5 in cluster Y**

Relative:
Higher

Actual:
24 ft.

SAN DIEGO CO. SAM:

Case Number:	H24762-001
Agency:	CA Regional Water Quality Control Board
Funding:	**Non Billable**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	2/9/1999
Date Began:	Not reported

Case Number:	H24762-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	OX
Facility Status:	Preliminary Assessment
Date:	12/10/2008
Date Began:	12/10/2008

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/02/2011
Global Id:	T10000000797
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H24762-002
Latitude:	32.7055556151651
Longitude:	-117.150070667267
Case Type:	Cleanup Program Site
Case Worker:	CF
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	Lead, Diesel, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Site History:	During remodeling of a downtown warehouse in 1989, soil impacted by petroleum hydrocarbons was encountered between the sidewalk adjoining the eastern side of 15th Street and the warehouse footing. The warehouse was being converted to a long-term, transitional housing facility for men by the Saint Vincent de Paul Society (SVDP) in association with Father Joes Villages. In 2010, the housing facility, known as the Bishop Maher Center (Center), was demolished in order to construct a 12-story, multi-use facility and a child development center. Prior to its purchase by the SVDP in 1985, the subject property had been used for various commercial purposes, including an ice company truck storage facility. A 2,000-gallon capacity underground storage tank (UST) was encountered beneath the 15th Street sidewalk west of the Center that may have served as a fueling area for the ice company trucks. The UST was removed under permit in 1987. The petroleum hydrocarbon-impacted soil encountered in 1989 was

SAINT VINCENT DE PAUL (Continued) **S104750598**

excavated and stockpiled on site, but was eventually used as excavation backfill material. A case was opened by DEH (#H24762-001) for the release, but it was subsequently transferred to the San Diego Regional Water Quality Control Board (RWQCB). The RWQCB issued a letter on February 9, 1999, stating that no further action was needed with respect to the impacted soil because it was of limited areal extent, unlikely to impact groundwater, and/or unlikely to pose a threat to human health. In anticipation of construction of the 12-story multi-use facility and child care center on the property, a Phase I environmental site assessment was performed in 2007 by URS. During a subsequent Phase II site investigation, URS advanced 10 borings at the site in November 2008. Three of the borings met a condition of refusal at less than four feet below ground surface (bgs). The depths of penetration by the seven remaining borings ranged from 12.5 to 20 feet bgs. Groundwater infiltrated the temporary casings of two of the borings. The depth to water measured in one of the borings was 12.2 feet bgs. Soil and groundwater grab samples were collected from the two borings, and one groundwater sample was collected from each of the two exploratory trenches excavated at the site. Analytical results for the soil indicated that benzene, toluene, ethylbenzene, and xylene (BTEX), naphthalene, and lead were chemicals of concern for the site. Elevated concentrations of BTEX and naphthalene were detected in a groundwater grab sample collected from a boring located near the western property line. However, the site is located in a hydrologic sub-area that has no beneficial uses and is specifically excepted from municipal use. SCS Engineers (SCS) installed 13 soil vapor probes at the site to depths of five and ten feet below grade. Three of the probes were installed within the footprint of the proposed one-story, slab-on-grade, child development center to be constructed in the southeast corner of the site near the intersection of 16th and Commercial Streets. The remaining ten probes were installed along the periphery of the proposed 12-story building that would include a one-level, subterranean, parking garage. Volatile organic compounds (VOCs), including BTEX and naphthalene, were not detected in the vapor samples collected within the footprint of the proposed child development center. Analytical results for soil vapor samples collected around the footprint of the proposed foundation of the subterranean parking garage for the 12-story building included the detection of benzene, ethylbenzene, and naphthalene. However, results of a human health risk assessment indicated that the cumulative non-carcinogenic risk was below a hazard index of 1.0 and that the carcinogenic health risk was an order of magnitude below the risk threshold of 1 x 10-6. Lead-impacted soil and soil impacted by petroleum hydrocarbons and lead were excavated from the site from June 1 through July 15, 2010 and disposed at Otay Landfill. The total impacted soil volume was approximately 17,000 cubic yards (yd3). An additional 425 yd3 of soil was deemed suitable by SCS for unrestricted reuse and was exported from the site for use at a construction site in San Diego County. [Note: Questions as to whether the soil exported for reuse was subject to a waste discharge waiver under RWQCB Resolution No. R9-2007-0104 were referred to the RWQCB in December 2010]. When groundwater was encountered during excavation activities at a depth of approximately 16 feet bgs, dewatering operations were initiated. From June through October 2010, 940,016 gallons of water were pumped from the excavation and disposed under City of San Diego permit to the municipal sewer system. The final

SAINT VINCENT DE PAUL (Continued) **S104750598**

depth of the excavation was 23 feet bgs. Based on the removal of lead and petroleum hydrocarbon-impacted soil, SCS concluded that the remaining subsurface soil beneath the site has little potential to continue impacting groundwater. Human health risk due to VOCs in groundwater beneath the site was calculated to be below human health risk thresholds. SCS recommends no further action and case closure. DEH concurs with these recommendations.

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	124762
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	535-622-06-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	12/31/2002
Facility Owner:	CITY OF SAN DIEGO
Facility Address:	1222 01ST AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101-4101
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 124762 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	124762
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-08-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

Facility Id:	150921
Business Type:	6HK10
EPA Id Number:	CAL000144401
APN:	535-622-06-00
Last HMMD Inspection:	02/02/2012
Permit Status:	OPEN
Permit Expiration:	01/31/2013

SAINT VINCENT DE PAUL (Continued) **S104750598**

Facility Owner:	ST VINCENT DE PAUL VILLAGE INC
Facility Address:	1501 IMPERIAL AVE
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101-7600
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	150921
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 905 INFECTIOUS WASTE, LAB
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	150921
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	150921
Update Date:	11/02/2012
Inspection Date:	02/02/2012
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE

Facility Id:	150921
Update Date:	11/02/2012
Inspection Date:	09/08/2004
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	ACTIVE

Z130 **CONTINENTAL BAKING CO** **CA LUST** **S100726527**
NNE **1401 IMPERIAL AVE** **CA SWEEPS UST** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101**
0.469 mi.
2477 ft. **Site 1 of 4 in cluster Z**

Relative:
Higher

Actual:
22 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT3366
Local Case:	H04087-002
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Piping
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	01/17/1997
Date Stopped:	01/17/1997
Confirm Date:	01/17/1997
Submit Workplan:	Not reported
Prelim Assess:	01/28/1997
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	01/30/1997
Enforce Date:	1/30/97
Closed Date:	12/23/97
Enforce Type:	SEL
Pilot Program:	LOP
Basin Number:	908.22
GW Depth:	10’
Beneficial Use:	NBNB/E
NPDES Number:	Not reported
Priority:	2A
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SWEEPS UST:

Status:	Active
Comp Number:	4087
Number:	9
Board Of Equalization:	44-008489
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004087-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported

CONTINENTAL BAKING CO (Continued) **S100726527**

Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

Z131 **INTERSTATE BRANDS CORP.** **CA LUST** **S104745859**
NNE **1401 IMPERIAL** **CA SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101** **CA SLIC**
0.469 mi. **CA San Diego Co. HMMD**
2477 ft. **Site 2 of 4 in cluster Z** **CA HIST CORTESE**

Relative: Higher

Actual: 22 ft.

LUST:

Region:	STATE
Global Id:	T0607302128
Latitude:	32.7061
Longitude:	-117.15159
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	12/23/1997
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	NS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT3366
LOC Case Number:	H04087-002
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607302128
Contact Type:	Local Agency Caseworker
Contact Name:	NASSER SIONIT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	nasser.sionit@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607302128
Status:	Completed - Case Closed
Status Date:	12/23/1997
Global Id:	T0607302128
Status:	Open - Case Begin Date
Status Date:	01/17/1997

Regulatory Activities:

Global Id:	T0607302128
Action Type:	ENFORCEMENT
Date:	12/18/1997
Action:	Closure/No Further Action Letter - #H04087-002
Global Id:	T0607302128

INTERSTATE BRANDS CORP. (Continued) **S104745859**

Action Type: Other
Date: 01/17/1997
Action: Leak Stopped

Global Id: T0607302128
Action Type: Other
Date: 01/17/1997
Action: Leak Began

Global Id: T0607302128
Action Type: ENFORCEMENT
Date: 01/30/1997
Action: Notice of Responsibility

Global Id: T0607302128
Action Type: Other
Date: 01/17/1997
Action: Leak Discovery

Global Id: T0607302128
Action Type: Other
Date: 01/17/1997
Action: Leak Reported

SAN DIEGO CO. SAM:
Case Number: H04087-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 12/27/1989
Date Began: 12/14/1988

Case Number: H04087-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 12/23/1997
Date Began: 1/17/1997

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/27/1989
Global Id: T0608152798
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H04087-001
Latitude: 32.706109
Longitude: -117.151588
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency

INTERSTATE BRANDS CORP. (Continued) **S104745859**

Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:
Facility Id: 104087
Business Type: 6HK26
EPA Id Number: CAL000145794
APN: 535-602-02-00
Last HMMD Inspection: 06/03/2004
Permit Status: INAC
Permit Expiration: 11/30/2005
Facility Owner: INTERSTATE BRANDS CORP.
Facility Address: 7706 TRADE ST
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92121-
UST Owner: INTERSTATE BRANDS COPR.
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 104087 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 104087
Tank Type: SINGLE WALL
Additional Id: 001 UNLEADED GAS
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1997-01-17 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3366

Z132 **SAN DIEGO GAS & ELECTRIC** **CA SLIC** **S106916416**
NNE **NONE 14TH ST & IMPERIAL** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101**
0.470 mi.
2479 ft. **Site 3 of 4 in cluster Z**

Relative:
Higher

Actual:
22 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/07/2013
Global Id:	T0608102760
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H38963-001
Latitude:	32.7058377757164
Longitude:	-117.151714169312
Case Type:	Cleanup Program Site
Case Worker:	VAP
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

S133 **HUGHES ATTORNEY SERVICE INC** **CA SAN DIEGO CO. SAM** **S105690250**
NE **1643 LOGAN AV** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.470 mi.
2483 ft. **Site 4 of 6 in cluster S**

Relative:
Higher

Actual:
36 ft.

SAN DIEGO CO. SAM:

Case Number:	H21201-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	6/20/1997
Date Began:	2/25/1997

S134 **HUGHES ATTORNEY SERVICES** **CA LUST** **S104749745**
NE **1643 LOGAN** **CA San Diego Co. HMMD** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101** **CA HIST CORTESE**
0.470 mi.
2483 ft. **Site 5 of 6 in cluster S**

Relative:
Higher

Actual:
36 ft.

LUST:

Region:	STATE
Global Id:	T0607302174
Latitude:	32.7044068
Longitude:	-117.1487438
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/20/1997
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	NS
Local Agency:	SAN DIEGO COUNTY LOP

HUGHES ATTORNEY SERVICES (Continued) **S104749745**

RB Case Number: 9UT3411
LOC Case Number: H21201-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0607302174
Contact Type: Local Agency Caseworker
Contact Name: NASSER SIONIT
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: nasser.sionit@sdcounty.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0607302174
Status: Completed - Case Closed
Status Date: 06/20/1997

Global Id: T0607302174
Status: Open - Case Begin Date
Status Date: 02/25/1997

Regulatory Activities:
Global Id: T0607302174
Action Type: Other
Date: 02/25/1997
Action: Leak Began

Global Id: T0607302174
Action Type: ENFORCEMENT
Date: 03/07/1997
Action: Notice of Responsibility

Global Id: T0607302174
Action Type: ENFORCEMENT
Date: 06/19/1997
Action: Closure/No Further Action Letter - #H21201-001

Global Id: T0607302174
Action Type: Other
Date: 02/25/1997
Action: Leak Discovery

Global Id: T0607302174
Action Type: Other
Date: 02/25/1997
Action: Leak Reported

SAN DIEGO CO. HMMD:

HUGHES ATTORNEY SERVICES (Continued) **S104749745**

Facility Id:	154219
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	538-040-20-00
Last HMMD Inspection:	05/03/2011
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	LOGAN HEIGHTS FAMILY HEALTH CR
Facility Address:	823 GATEWAY CENTER WAY
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92102
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	154219
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	RED BAG WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	154219
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	SHARPS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3411

S135 **HUGHES ATTORNEY SERVICES** **CA LUST** **S102532384**
NE **1643 LOGAN AVE** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101**
0.470 mi.
2483 ft. **Site 6 of 6 in cluster S**

Relative:
Higher

Actual:
36 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT3411
Local Case:	H21201-001
Substance:	Premium Gasoline

HUGHES ATTORNEY SERVICES (Continued) **S102532384**

Qty Leaked:	0
Abate Method:	No Action Required - incident is minor, requiring no remedial action
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	02/25/1997
Date Stopped:	02/25/1997
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	03/05/1997
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	03/07/1997
Enforce Date:	3/7/97
Closed Date:	6/20/97
Enforce Type:	SEL
Pilot Program:	LOP
Basin Number:	908.21
GW Depth:	29’
Beneficial Use:	NBNB/E
NPDES Number:	Not reported
Priority:	3B
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

Y136 **ST. VINCENT DE PAUL** **CA SAN DIEGO CO. SAM** **S108407258**
NNE **16 15TH ST** **CA HIST UST** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101**
0.471 mi.
2488 ft. **Site 2 of 5 in cluster Y**

Relative:
Higher

Actual:
22 ft.

SAN DIEGO CO. SAM:

Case Number:	H03652-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	7/20/1986
Date Began:	10/22/1986
Case Number:	H03652-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	3/25/1993
Date Began:	4/29/1992
Case Number:	H03652-003
Agency:	DEH Site Assessment & Mitigation

ST. VINCENT DE PAUL (Continued) **S108407258**

Funding:	**Private - VAP**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	5/17/2004
Date Began:	2/24/1993

HIST UST:

File Number:	0002B100
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B100.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

Y137 **ST. VINCENT DE PAUL** **CA LUST** **S102438027**
NNE **16 15TH ST** **CA SLIC** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101** **CA San Diego Co. HMMD**
0.471 mi. **CA SWEEPS UST**
2488 ft. **Site 3 of 5 in cluster Y** **CA HIST CORTESE**

Relative:
Higher

Actual:
22 ft.

LUST:

Region:	STATE
Global Id:	T0607301032
Latitude:	32.705519
Longitude:	-117.150794
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/25/1993
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2265
LOC Case Number:	H03652-002
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

ST. VINCENT DE PAUL (Continued) **S102438027**

Status History:
Global Id: T0607301032
Status: Completed - Case Closed
Status Date: 03/25/1993

Global Id: T0607301032
Status: Open - Case Begin Date
Status Date: 04/29/1992

Regulatory Activities:
Global Id: T0607301032
Action Type: Other
Date: 04/29/1992
Action: Leak Stopped

Global Id: T0607301032
Action Type: Other
Date: 04/29/1992
Action: Leak Began

Global Id: T0607301032
Action Type: ENFORCEMENT
Date: 06/15/1992
Action: Notice of Responsibility

Global Id: T0607301032
Action Type: Other
Date: 04/29/1992
Action: Leak Discovery

Global Id: T0607301032
Action Type: Other
Date: 04/29/1992
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2265
Local Case: H03652-002
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 04/29/1992
Date Stopped: 04/29/1992
Confirm Date: 06/08/1992
Submit Workplan: 6/17/92

ST. VINCENT DE PAUL (Continued) **S102438027**

Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 04/29/1992
Enforce Date: Not reported
Closed Date: 3/19/93
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: 7.0'
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 07/20/1986
Global Id: T0608154919
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H03652-001
Latitude: 32.705541
Longitude: -117.150792
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 05/17/2004
Global Id: T0608195870
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H03652-003
Latitude: 32.705541
Longitude: -117.150792
Case Type: Cleanup Program Site
Case Worker: TVS
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: * Chlorinated Hydrocarbons
Site History: Not reported

ST. VINCENT DE PAUL (Continued) **S102438027**

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	103652
Business Type:	6HK28
EPA Id Number:	Not reported
APN:	535-621-02-00
Last HMMD Inspection:	02/19/1992
Permit Status:	INAC
Permit Expiration:	02/19/1992
Facility Owner:	PAT MACK
Facility Address:	16 15TH ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101-
UST Owner:	DEWITT TRANSFER AND STORAGE CO
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103652 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103652
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1992-04-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

SWEEPS UST:

Status:	Active
Comp Number:	3652
Number:	9
Board Of Equalization:	44-021923
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported

ST. VINCENT DE PAUL (Continued) **S102438027**

STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 3652
Number: Not reported
Board Of Equalization: 44-021923
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003652-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2265

Z138 **SAN DIEGO GAS & ELECTRIC** **CA SAN DIEGO CO. SAM** **S108407217**
NNE **14TH ST & IMPERIAL** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101**
0.473 mi.
2496 ft. **Site 4 of 4 in cluster Z**

Relative:
Higher

Actual:
22 ft.

SAN DIEGO CO. SAM:
Case Number: H38963-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Complaint
Facility Status: Leak Being Confirmed
Date: 6/25/1991
Date Began: 8/6/1990

AA139 **SQUIRES BELT MATERIAL CO INC** **CA LUST** **S100725946**
North **149 12TH AVE** **CA SWEEPS UST** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101**
0.473 mi.
2500 ft. **Site 1 of 2 in cluster AA**

Relative:
Higher

Actual:
22 ft.

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT522
Local Case: H02585-001
Substance: Diesel
Qty Leaked: Not reported
Abate Method: Remove Free Product - remove floating product from water table

SQUIRES BELT MATERIAL CO INC (Continued) **S100725946**

Local Agency: San Diego
How Found: Other Means
How Stopped: Remove Contents
Source: Tank
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 05/16/1986
Date Stopped: 05/22/1986
Confirm Date: 05/20/1986
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 8/31/87
Began Monitor: Not reported
Release Date: 05/20/1986
Enforce Date: Not reported
Closed Date: 1/6/89
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Medium priority
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 2585
Number: 9
Board Of Equalization: 44-021707
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2585
Number: Not reported
Board Of Equalization: 44-021707
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported

SQUIRES BELT MATERIAL CO INC (Continued) **S100725946**

SWRCB Tank Id: 37-000-002585-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: 2

Status: Not reported
Comp Number: 2585
Number: Not reported
Board Of Equalization: 44-021707
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002585-000002
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

V140 **SAN DIEGO SAW AND KNIFE WORKS** **RCRA-SQG** **1000110782**
ENE **1765 LOGAN AVE** **CA LUST** **CAD982498693**
1/4-1/2 **SAN DIEGO, CA 92113** **CA SAN DIEGO CO. SAM**
0.478 mi. **CA SLIC**
2524 ft. **Site 6 of 6 in cluster V** **CA San Diego Co. HMMD**
FINDS
Relative: **CA HAZNET**
Higher **CA HIST CORTESE**
ECHO

Actual:
61 ft.

RCRA-SQG:
Date form received by agency: 02/07/1990
Facility name: SAN DIEGO SAW AND KNIFE WORKS
Facility address: 1765 LOGAN AVE
SAN DIEGO, CA 92113
EPA ID: CAD982498693
Contact: ENVIRONMENTAL MANAGER
Contact address: 1765 LOGAN AVE
SAN DIEGO, CA 92113
Contact country: US
Contact telephone: (619) 234-5710
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

SAN DIEGO SAW AND KNIFE WORKS (Continued) **1000110782**

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ROBERT BUQUET
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

LUST:
Region: STATE
Global Id: T0607302583
Latitude: 32.702778
Longitude: -117.146727
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/14/2000
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: NS
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT3820
LOC Case Number: H00515-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

SAN DIEGO SAW AND KNIFE WORKS (Continued) **1000110782**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607302583
Contact Type:	Local Agency Caseworker
Contact Name:	NASSER SIONIT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	nasser.sionit@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607302583
Status:	Completed - Case Closed
Status Date:	04/14/2000

Global Id:	T0607302583
Status:	Open - Case Begin Date
Status Date:	01/12/1999

Regulatory Activities:

Global Id:	T0607302583
Action Type:	Other
Date:	01/12/1999
Action:	Leak Stopped

Global Id:	T0607302583
Action Type:	Other
Date:	01/12/1999
Action:	Leak Began

Global Id:	T0607302583
Action Type:	ENFORCEMENT
Date:	02/08/1999
Action:	Notice of Responsibility

Global Id:	T0607302583
Action Type:	Other
Date:	01/12/1999
Action:	Leak Discovery

Global Id:	T0607302583
Action Type:	Other
Date:	02/01/1999
Action:	Leak Reported

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT3820
Local Case:	H00515-001
Substance:	Diesel
Qty Leaked:	0

SAN DIEGO SAW AND KNIFE WORKS (Continued) **1000110782**

Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 01/12/1999
Date Stopped: 01/12/1999
Confirm Date: 02/10/1999
Submit Workplan: 2/8/99
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 02/01/1999
Enforce Date: Not reported
Closed Date: 4/14/00
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: 35
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Case Number: H00515-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 4/14/2000
Date Began: 1/12/1999

Case Number: H00515-002
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 5/26/2009
Date Began: 6/15/2005

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 03/26/2009
Global Id: T06019767802
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H00515-002

SAN DIEGO SAW AND KNIFE WORKS (Continued) **1000110782**

Latitude:	32.702778
Longitude:	-117.146726
Case Type:	Cleanup Program Site
Case Worker:	CB
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	100515
Business Type:	6HK18
EPA Id Number:	CAD982498693
APN:	538-050-19-00
Last HMMD Inspection:	11/01/2007
Permit Status:	INAC
Permit Expiration:	05/31/2008
Facility Owner:	BOB BUQUET
Facility Address:	1765 LOGAN AVE.
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113-1006
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 100515 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	100515
Tank Type:	SINGLE WALL
Additional Id:	at4283
Capacity Gallons:	500
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1999-12-01 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

FINDS:

Registry ID:	110002832668

SAN DIEGO SAW AND KNIFE WORKS (Continued) **1000110782**

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

HAZNET:

envid:	1000110782
Year:	2005
GEPAID:	CAD982498693
Contact:	--
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1765 LOGAN AVE
Mailing City,St,Zip:	SAN DIEGO, CA 921131006
Gen County:	Not reported
TSD EPA ID:	CAD044429835
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Disposal, Other
Tons:	0.27
Cat Decode:	Other inorganic solid waste
Method Decode:	Disposal, Other
Facility County:	San Diego

envid:	1000110782
Year:	2002
GEPAID:	CAD982498693
Contact:	--
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1765 LOGAN AVE
Mailing City,St,Zip:	SAN DIEGO, CA 921131006
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Transfer Station
Tons:	0.4
Cat Decode:	Other inorganic solid waste
Method Decode:	Transfer Station
Facility County:	San Diego

envid:	1000110782
Year:	1994
GEPAID:	CAD982498693
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	1765 LOGAN AVE
Mailing City,St,Zip:	SAN DIEGO, CA 921131006
Gen County:	Not reported

SAN DIEGO SAW AND KNIFE WORKS (Continued) **1000110782**

TSD EPA ID: AZD049318009
TSD County: Not reported
Waste Category: Metal dust (Alkaline solution (pH >= 12.5) with metals) and machining waste
Disposal Method: Transfer Station
Tons: .4500
Cat Decode: Metal dust (Alkaline solution (pH >= 12.5) with metals) and machining waste
Method Decode: Transfer Station
Facility County: San Diego

envid: 1000110782
Year: 1993
GEPAID: CAD982498693
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1765 LOGAN AVE
Mailing City,St,Zip: SAN DIEGO, CA 921131006
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Metal dust (Alkaline solution (pH >= 12.5) with metals) and machining waste
Disposal Method: Disposal, Other
Tons: 0.40000000000
Cat Decode: Metal dust (Alkaline solution (pH >= 12.5) with metals) and machining waste
Method Decode: Disposal, Other
Facility County: San Diego

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3820

ECHO:
Envid: 1000110782
Registry ID: 110002832668
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002832668

Y141 **IMPERIAL AVENUE AFFORDABLE HOUSING PROJECT** **CA ENVIROSTOR** **S118353712**
NNE **1435 IMPERIAL AVENUE** **CA VCP** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101**
0.479 mi.
2527 ft. **Site 4 of 5 in cluster Y**

Relative:
Higher

Actual:
22 ft.

ENVIROSTOR:
Facility ID: 60002200
Status: Active
Status Date: 06/23/2015
Site Code: 401719
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 0.22
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP

IMPERIAL AVENUE AFFORDABLE HOUSING PROJECT (Continued) **S118353712**

Program Manager: Maryam Tasnif-Abbasi
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: , 78
Senate: , 39
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 32.70606
Longitude: -117.1513
APN: 535-614-10
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 535-614-10
Alias Type: APN
Alias Name: 401719
Alias Type: Project Code (Site Code)
Alias Name: 60002200
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 08/04/2015
Comments: CLRRA Agreement executed between Imperial Urban Housing, L.P. and DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/14/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 09/16/2015
Comments: Activity completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 09/16/2015
Comments: Application received and MOA request approved by Water Board

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 01/05/2016
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

IMPERIAL AVENUE AFFORDABLE HOUSING PROJECT (Continued) **S118353712**

Future Due Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Land Use Restriction
Schedule Due Date:	06/08/2016
Schedule Revised Date:	Not reported

VCP:

Facility ID:	60002200
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.22
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Maryam Tasnif-Abbasi
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	401719
Assembly:	, 78
Senate:	, 39
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	06/23/2015
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	32.70606 / -117.1513
APN:	535-614-10
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	535-614-10
Alias Type:	APN
Alias Name:	401719
Alias Type:	Project Code (Site Code)
Alias Name:	60002200
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	California Land Reuse and Revitalization Agreement
Completed Date:	08/04/2015
Comments:	CLRRA Agreement executed between Imperial Urban Housing, L.P. and DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	12/14/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

IMPERIAL AVENUE AFFORDABLE HOUSING PROJECT (Continued) **S118353712**

Completed Document Type: Risk Assessment Report
Completed Date: 09/16/2015
Comments: Activity completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 09/16/2015
Comments: Application received and MOA request approved by Water Board

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 01/05/2016
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 06/08/2016
Schedule Revised Date: Not reported

AB142 **LUIS AUTO SERVICES** **CA SAN DIEGO CO. SAM** **S106874830**
NE **1603 LOGAN AV** **CA SLIC** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.481 mi.
2540 ft. **Site 1 of 2 in cluster AB**

Relative:
Higher

Actual:
31 ft.

SAN DIEGO CO. SAM:
Case Number: H13758-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 9/6/2007
Date Began: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 09/06/2007
Global Id: T06019701706
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H13758-001
Latitude: 32.704612
Longitude: -117.149357
Case Type: Cleanup Program Site
Case Worker: LA
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating

LUIS AUTO SERVICES (Continued) **S106874830**

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

AC143 **SAN DIEGO UNIFIED PORT DIST** **CA LUST** **S102436173**
NNW **501 HARBOR DR** **CA SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN DIEGO, CA 92101** **CA San Diego Co. HMMD**
0.492 mi. **CA SWEEPS UST**
2597 ft. **Site 1 of 2 in cluster AC**

Relative:
Higher

Actual:
18 ft.

LUST:

Region:	STATE
Global Id:	T0607300499
Latitude:	32.7068337
Longitude:	-117.1605454
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	11/02/1993
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1701
LOC Case Number:	H23165-001
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300499
Status:	Completed - Case Closed
Status Date:	11/02/1993
Global Id:	T0607300499
Status:	Open - Case Begin Date
Status Date:	03/09/1990

Regulatory Activities:

Global Id:	T0607300499
Action Type:	Other
Date:	03/09/1990
Action:	Leak Stopped
Global Id:	T0607300499
Action Type:	Other
Date:	03/09/1990
Action:	Leak Began
Global Id:	T0607300499
Action Type:	ENFORCEMENT
Date:	05/07/1990
Action:	Notice of Responsibility
Global Id:	T0607300499
Action Type:	Other
Date:	03/09/1990

SAN DIEGO UNIFIED PORT DIST (Continued) **S102436173**

Action: Leak Discovery

Global Id: T0607300499
Action Type: Other
Date: 05/03/1990
Action: Leak Reported

Region: STATE
Global Id: T0607391327
Latitude: 32.703982636
Longitude: -117.159106069
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/27/2006
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Case Worker: TCA
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT4109
LOC Case Number: H00417-003
File Location: Regional Board
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0607391327
Contact Type: Local Agency Caseworker
Contact Name: Kevin Heaton
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: Not reported
Phone Number: Not reported

Global Id: T0607391327
Contact Type: Regional Board Caseworker
Contact Name: TOM ALO
Organization Name: SAN DIEGO RWQCB (REGION 9)
Address: 2375 NORTHSIDE DRIVE, SUITE 100
City: SAN DIEGO
Email: tom.alo@waterboards.ca.gov
Phone Number: 6195213375

Status History:
Global Id: T0607391327
Status: Completed - Case Closed
Status Date: 09/27/2006

Global Id: T0607391327
Status: Open - Case Begin Date
Status Date: 06/08/1995

Global Id: T0607391327
Status: Open - Remediation

SAN DIEGO UNIFIED PORT DIST (Continued) **S102436173**

Status Date: 09/05/2001

Global Id: T0607391327
Status: Open - Site Assessment
Status Date: 01/16/2001

Regulatory Activities:
Global Id: T0607391327
Action Type: REMEDIATION
Date: 09/05/2001
Action: Excavation

Global Id: T0607391327
Action Type: RESPONSE
Date: 03/01/2004
Action: Well Destruction Report

Global Id: T0607391327
Action Type: RESPONSE
Date: 03/23/2001
Action: Other Workplan

Global Id: T0607391327
Action Type: RESPONSE
Date: 08/03/2006
Action: Monitoring Report - Other

Global Id: T0607391327
Action Type: RESPONSE
Date: 06/24/2005
Action: Monitoring Report - Semi-Annually

Global Id: T0607391327
Action Type: RESPONSE
Date: 07/19/2004
Action: Other Report / Document

Global Id: T0607391327
Action Type: RESPONSE
Date: 06/17/2002
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T0607391327
Action Type: ENFORCEMENT
Date: 06/08/1995
Action: Clean-up and Abatement Order - #95-21

Global Id: T0607391327
Action Type: ENFORCEMENT
Date: 05/24/1995
Action: Clean-up and Abatement Order - #95-21

Global Id: T0607391327
Action Type: ENFORCEMENT
Date: 09/27/2006
Action: Closure/No Further Action Letter

SAN DIEGO UNIFIED PORT DIST (Continued) **S102436173**

Global Id: T0607391327
Action Type: RESPONSE
Date: 01/18/2002
Action: Other Workplan

Global Id: T0607391327
Action Type: RESPONSE
Date: 02/23/2001
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0607391327
Action Type: RESPONSE
Date: 05/02/2001
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0607391327
Action Type: RESPONSE
Date: 08/03/2001
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0607391327
Action Type: RESPONSE
Date: 08/18/2001
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0607391327
Action Type: RESPONSE
Date: 11/05/2001
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0607391327
Action Type: RESPONSE
Date: 05/16/2001
Action: Risk Assessment Report

Global Id: T0607391327
Action Type: RESPONSE
Date: 04/08/2001
Action: Soil and Water Investigation Report

Global Id: T0607391327
Action Type: RESPONSE
Date: 05/13/2001
Action: Soil and Water Investigation Report

Global Id: T0607391327
Action Type: RESPONSE
Date: 06/22/2001
Action: Soil and Water Investigation Workplan

Global Id: T0607391327
Action Type: RESPONSE
Date: 09/19/2001
Action: Soil and Water Investigation Report

Global Id: T0607391327
Action Type: RESPONSE

SAN DIEGO UNIFIED PORT DIST (Continued) **S102436173**

Date: 10/26/2001
Action: Other Report / Document

Global Id: T0607391327
Action Type: RESPONSE
Date: 11/11/2001
Action: Other Report / Document

Global Id: T0607391327
Action Type: RESPONSE
Date: 01/09/2002
Action: Other Report / Document

Global Id: T0607391327
Action Type: RESPONSE
Date: 01/18/2002
Action: Soil and Water Investigation Workplan

Global Id: T0607391327
Action Type: RESPONSE
Date: 06/21/2001
Action: Soil and Water Investigation Report

Global Id: T0607391327
Action Type: RESPONSE
Date: 05/04/2002
Action: Soil and Water Investigation Report

Global Id: T0607391327
Action Type: ENFORCEMENT
Date: 10/27/2000
Action: Clean-up and Abatement Order - #R9-1995-021A

Global Id: T0607391327
Action Type: ENFORCEMENT
Date: 11/12/1997
Action: Clean-up and Abatement Order - #95-021A2

Global Id: T0607391327
Action Type: ENFORCEMENT
Date: 01/24/2000
Action: Notice of Reimbursement

Global Id: T0607391327
Action Type: ENFORCEMENT
Date: 04/28/2005
Action: Closure/No Further Action Letter

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1701
Local Case: H23165-001
Substance: Diesel
Qty Leaked: 0
Abate Method: No Action Required - incident is minor, requiring no remedial action

SAN DIEGO UNIFIED PORT DIST (Continued) **S102436173**

Local Agency: San Diego
How Found: Not reported
How Stopped: Not reported
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 03/09/1990
Date Stopped: 03/09/1990
Confirm Date: 05/03/1990
Submit Workplan: Not reported
Prelim Assess: 08/02/1993
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 05/03/1990
Enforce Date: Not reported
Closed Date: 11/2/93
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Medium priority
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Case Number: H23165-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 11/2/1993
Date Began: 3/9/1990

SAN DIEGO CO. HMMD:
Facility Id: 123165
Business Type: Not reported
EPA Id Number: Not reported
APN: DEH-123165
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: SAN DIEGO UNIFIED PORT DIST
Facility Address: 3165 PACIFIC HY
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92101-1128
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported

SAN DIEGO UNIFIED PORT DIST (Continued) **S102436173**

Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

SWEEPS UST:
Status: Active
Comp Number: 23165
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 23165
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-023165-000001
Tank Status: Not reported
Capacity: 560
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: 3

Status: Not reported
Comp Number: 23165
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-023165-000002
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

SAN DIEGO UNIFIED PORT DIST (Continued) **S102436173**

Status:	Not reported
Comp Number:	23165
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-023165-000003
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not reported

AD144 **CONTINENTAL OF SAN DIEGO, INC.** **SEMS-ARCHIVE** **1000412848**
ESE **1995 BAY FRONT** **RCRA-LQG** **CAD981418395**
1/4-1/2 **SAN DIEGO, CA 92113** **CA LUST**
0.493 mi. **CA SAN DIEGO CO. SAM**
2602 ft. **Site 1 of 6 in cluster AD** **CA CHMIRS**
NY MANIFEST

Relative:
Higher

Actual:
23 ft.

SEMS-ARCHIVE:

Site ID:	904767
EPA ID:	CAD981418395
Federal Facility:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID:	0904767
Federal Facility:	Not a Federal Facility
NPL Status:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID:	13286902.00000
Person ID:	13003854.00000
Contact Sequence ID:	13292497.00000
Person ID:	13003858.00000
Contact Sequence ID:	13298355.00000
Person ID:	13004003.00000

CERCLIS-NFRAP Assessment History:

Action:	DISCOVERY
Date Started:	/ /
Date Completed:	02/08/93
Priority Level:	Not reported
Action:	ARCHIVE SITE
Date Started:	/ /
Date Completed:	01/10/94
Priority Level:	Not reported

CONTINENTAL OF SAN DIEGO, INC. (Continued) **1000412848**

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 01/10/94
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

RCRA-LQG:
Date form received by agency: 03/16/2012
Facility name: CONTINENTAL MARITIME SAN DIEGO INC.
Facility address: 1995 BAYFRONT STREET
SAN DIEGO, CA 92113
EPA ID: CAD981418395
Mailing address: BAYFRONT STREET
SAN DIEGO, CA 92113
Contact: RUSSEL MCCARTHY
Contact address: BAYFRONT STREET
SAN DIEGO, CA 92113
Contact country: US
Contact telephone: (619) 234-8851
Telephone ext.: 531
Contact email: RMCCARTHY@CONTINENTALMARITIME.COM
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: CONTINENTAL MARITIME SAN DIEGO
Owner/operator address: PACIFIC HWY
SAN DIEGO, CA 92101
Owner/operator country: Not reported
Owner/operator telephone: (619) 686-6200
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1986
Owner/Op end date: Not reported

Owner/operator name: PORT OF SAN DIEGO
Owner/operator address: PACIFIC HWY
SAN DIEGO, CA 92101
Owner/operator country: Not reported
Owner/operator telephone: (619) 686-6200
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: 12/18/1962
Owner/Op end date: Not reported

CONTINENTAL OF SAN DIEGO, INC. (Continued) **1000412848**

Owner/operator name: CONTINENTAL MARITIME OF SAN DIEGO
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/11/2011
Owner/Op end date: Not reported

Owner/operator name: HUNTINGTON INGALLS INCORPORATED
Owner/operator address: 4101 WASHINGTON AVE
NEWPORT NEWS, VA 23607
Owner/operator country: US
Owner/operator telephone: 757-380-4645
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/31/2011
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 214
. Waste name: 214

. Waste code: 223
. Waste name: 223

. Waste code: 352
. Waste name: 352

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

CONTINENTAL OF SAN DIEGO, INC. (Continued) **1000412848**

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:
Date form received by agency: 06/13/2011
Site name: CONTINENTAL MARITIME OF SAN DIEGO
Classification: Large Quantity Generator

. Waste code: 151
. Waste name: 151

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

. Waste code: 513

CONTINENTAL OF SAN DIEGO, INC. (Continued) **1000412848**

. Waste name: 513

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 06/15/2010
Site name: CONTINENTAL MARITIME OF SAN DIEGO (YARD)
Classification: Large Quantity Generator

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 214
. Waste name: 214

. Waste code: 331
. Waste name: 331

CONTINENTAL OF SAN DIEGO, INC. (Continued) **1000412848**

. Waste code: 352
. Waste name: 352

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/03/2008
Site name: CONTINENTAL MARITIME OF SAN DIEGO
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

CONTINENTAL OF SAN DIEGO, INC. (Continued) **1000412848**

Date form received by agency: 02/25/2006
Site name: CONTINENTAL MARITIME OF SAN DIEGO, INC.
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 135
. Waste name: 135

. Waste code: 212
. Waste name: 212

. Waste code: 214
. Waste name: 214

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 02/20/2004
Site name: CONTINENTAL MARITIME SAN DIEGO (SITE)
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D009
. Waste name: MERCURY

Date form received by agency: 02/28/2002
Site name: CONTINENTAL MARITIME INC.
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 181
. Waste name: 181

CONTINENTAL OF SAN DIEGO, INC. (Continued) **1000412848**

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 10/12/2000
Site name: CONTINENTAL MARITIME INC.
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: CONTINENTAL MARITIME INC.
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: CONTINENTAL MARITIME OF S D INC
Classification: Large Quantity Generator

CONTINENTAL OF SAN DIEGO, INC. (Continued) **1000412848**

Date form received by agency: 01/29/1996
Site name: CONTINENTAL MARITIME OF SAN DIEGO, INC.
Classification: Large Quantity Generator

Date form received by agency: 06/05/1995
Site name: CONTINENTAL MARITIME OF S D INC
Classification: Large Quantity Generator

Date form received by agency: 03/31/1994
Site name: CONTINENTAL MARITIME OF SAN DIEGO, INC.
Classification: Large Quantity Generator

Date form received by agency: 04/30/1992
Site name: CONTINENTAL MARITIME OF SAN DIEGO
Classification: Large Quantity Generator

Date form received by agency: 04/11/1990
Site name: CONTINENTAL MARITIME OF S. D.
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 4726

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 8776

Waste code: D008
Waste name: LEAD
Amount (Lbs): 8776

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 4726

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

CONTINENTAL OF SAN DIEGO, INC. (Continued) **1000412848**

Amount (Lbs): 4050

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 4726

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/01/2008
Date achieved compliance: 05/30/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/01/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/21/2005
Date achieved compliance: 06/26/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/21/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 08/19/1994
Date achieved compliance: 08/19/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A

CONTINENTAL OF SAN DIEGO, INC. (Continued) **1000412848**

Area of violation: Generators - General
Date violation determined: 01/14/1993
Date achieved compliance: 08/19/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 04/01/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/30/2008
Evaluation lead agency: State

Evaluation date: 07/23/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/21/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/26/2006
Evaluation lead agency: Local

Evaluation date: 08/19/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/19/1999
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 01/14/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/19/1994
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 05/21/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/26/2006
Evaluation lead agency: State Contractor/Grantee

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT138
Local Case: H00120-001
Substance: Diesel
Qty Leaked: 6000

CONTINENTAL OF SAN DIEGO, INC. (Continued) **1000412848**

Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 12/12/1986
Date Stopped: 12/12/1986
Confirm Date: 12/12/1986
Submit Workplan: Not reported
Prelim Assess: 01/09/1987
Desc Pollution: Not reported
Remed Plan: 08/27/1987
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/12/1986
Enforce Date: Not reported
Closed Date: 5/25/89
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: ~10'
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Case Closed
Case Number: 9UT2467
Local Case: H00120-003
Substance: Diesel
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Subsurface Monitoring
How Stopped: Not reported
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 07/10/1992
Date Stopped: / /
Confirm Date: 07/10/1992
Submit Workplan: 7/10/92
Prelim Assess: 07/10/1992
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported

CONTINENTAL OF SAN DIEGO, INC. (Continued) **1000412848**

Release Date: 05/06/1993
Enforce Date: Not reported
Closed Date: 2/24/97
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: 9.03
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT2996
Local Case: H00120-002
Substance: Diesel
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 08/30/1990
Date Stopped: 08/30/1990
Confirm Date: 08/30/1990
Submit Workplan: Not reported
Prelim Assess: 11/22/1991
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 08/30/1990
Enforce Date: 8/31/90
Closed Date: Not reported
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 5'
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 1B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Case Number: H02857-001
Agency: DEH Site Assessment & Mitigation
Funding: **XV**

CONTINENTAL OF SAN DIEGO, INC. (Continued) **1000412848**

Facility Type:	Soils Only
Facility Status:	Leak Being Confirmed
Date:	5/21/2002
Date Began:	5/21/2002

CHMIRS:

OES Incident Number:	06449
OES notification:	Not reported
OES Date:	1/26/1995
OES Time:	12:58:25 PM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	NO
Waterway:	san diego bay outfall of storm drain
Spill Site:	Not reported
Cleanup By:	contennental
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1995
Agency:	contental
Incident Date:	0345 26 jan 95
Admin Agency:	Not reported
Amount:	residual on ground
Contained:	YES
Site Type:	IND PLT
E Date:	Not reported
Substance:	transmission fluid
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported

CONTINENTAL OF SAN DIEGO, INC. (Continued) **1000412848**

Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	transmission failed on truck, some material on the ground carried into storm drain by heavey rains

NY MANIFEST:

Country:	USA
EPA ID:	CAD981418395
Facility Status:	Not reported
Location Address 1:	1995 GAY FRONT
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	SAN DIEGO
Location State:	CA
Location Zip:	92113
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	CAD981418395
Mailing Name:	CONTINENTAL MARITIME OF SAN DIEGO INC
Mailing Contact:	CONTINENTAL MARITIME OF SAN DIEGO INC
Mailing Address 1:	1995 GAY FRONT
Mailing Address 2:	Not reported
Mailing City:	SAN DIEGO
Mailing State:	CA
Mailing Zip:	92113
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	8192348851

NY MANIFEST:

Document ID:	NYB5660415
Manifest Status:	K
seq:	Not reported
Year:	1993
Trans1 State ID:	409234
Trans2 State ID:	Not reported
Generator Ship Date:	04/30/1993
Trans1 Recv Date:	04/30/1993
Trans2 Recv Date:	/ /
TSD Site Recv Date:	05/26/1993
Part A Recv Date:	05/17/1993
Part B Recv Date:	06/09/1993
Generator EPA ID:	CAD981418395

CONTINENTAL OF SAN DIEGO, INC. (Continued) **1000412848**

Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD048148175
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00010
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100

AD145 **CONTINENTAL MARITIME OF SAN DIEGO** **CA ENVIROSTOR** **S104746413**
ESE **1995 BAY FRONT STREET** **CA SLIC** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113** **CA San Diego Co. HMMD**
0.493 mi. **CA CHMIRS**
2602 ft. **Site 2 of 6 in cluster AD** **CA ENF**
CA HIST CORTESE
Relative: **CA NPDES**
Higher

Actual: **23 ft.**

ENVIROSTOR:

Facility ID:	71002826
Status:	Inactive - Needs Evaluation
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Cypress
Assembly:	80
Senate:	40
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

Latitude: 32.69567
Longitude: -117.1467
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD981418395
Alias Type: EPA Identification Number
Alias Name: 110000781501
Alias Type: EPA (FRS #)
Alias Name: 71002826
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 07/16/2013
Global Id: T0608190985
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H02857-001
Latitude: 32.69446
Longitude: -117.144739
Case Type: Cleanup Program Site
Case Worker: SW
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:
Facility Id: 106677
Business Type: 6HK70
EPA Id Number: CAL000196534
APN: 538-660-43-00
Last HMMD Inspection: 12/17/1999

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

Permit Status:	INAC
Permit Expiration:	03/31/2002
Facility Owner:	OWENS O'BRIAN
Facility Address:	3635 RUFFIN RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92123-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

CHMIRS:

OES Incident Number:	8-1243
OES notification:	03/12/1998
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	USCG-MSO San Diego

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

Incident Date:	3/12/199812:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	No
Site Type:	Road
E Date:	Not reported
Substance:	Hydraulic Fluid
Gallons:	10-20
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	CalTrans vehicle sprewed fluid from overpass onto approximatly 70 vehicles parked below belonging to employees of Continental Maritime. CalTrans appraently not doing clean-up to vehicles; Russel McCarthy from Continental Maritime (619)234-8851 X--531 called USCG to report the following after calling both Caltrans & RWQCB-9 and getting either no response or incorrect response. Someone RWQ??? told him to take the vehicles to a carwash.
	Not reported

ENF:

Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.144990
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.43
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	213845
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	97-037
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	FED
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1300
Status:	Historical
Status Date:	01/03/2014
Effective Date:	05/04/1987
Expiration/Review Date:	11/12/2002
Termination Date:	11/12/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	250052
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/22/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	10/22/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000400
Description:	Not reported
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.144990
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.43
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	213845
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	97-037
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	FED
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1300

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

Status:	Historical
Status Date:	01/03/2014
Effective Date:	05/04/1987
Expiration/Review Date:	11/12/2002
Termination Date:	11/12/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	249883
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/16/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	10/16/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000400
Description:	On July 3, 2003, the Pier 4, saltwater fire protection system water failed to comly with the 70% survival 10% of the time specification.
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.144990
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.43
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	213845
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	97-037
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	FED
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1300
Status:	Historical
Status Date:	01/03/2014
Effective Date:	05/04/1987
Expiration/Review Date:	11/12/2002
Termination Date:	11/12/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	243112
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	07/24/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	9/14/2001
Termination Date:	07/24/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

Status:	Historical
Title:	SEL Paint Spill to San Diego Bay - Continental Maritime Shipyard
Description:	One-quart can of paint spilled to the Bay.
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.144990
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.43
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	213845
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	97-037
Npdes# CA#:	CA0109142
Major-Minor:	Minor

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

Npdes Type:	FED
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1300
Status:	Historical
Status Date:	01/03/2014
Effective Date:	05/04/1987
Expiration/Review Date:	11/12/2002
Termination Date:	11/12/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	237835
Region:	9
Order / Resolution Number:	R9-2001-0114
Enforcement Action Type:	Admin Civil Liability
Effective Date:	07/18/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	7/6/2001
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000400
Description:	2001-114 (order for board to accept payment of ACL)
Program:	NPDINDSML
Latest Milestone Completion Date:	6/19/2003
# Of Programs1:	1
Total Assessment Amount:	41120
Initial Assessed Amount:	0
Liability $ Amount:	41120
Project $ Amount:	0
Liability $ Paid:	41120
Project $ Completed:	0
Total $ Paid/Completed Amount:	41120

Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.144990
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
SIC Code 2:	Not reported

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.43
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	213845
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	97-037
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	FED
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1300
Status:	Historical
Status Date:	01/03/2014
Effective Date:	05/04/1987
Expiration/Review Date:	11/12/2002
Termination Date:	11/12/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	237834
Region:	9
Order / Resolution Number:	R9-2001-0113
Enforcement Action Type:	Admin Civil Liability
Effective Date:	06/15/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	Enforcement - 9 000000400
Description:	complaint 2001-113 issued for 8 atox violations triggered ACL for $41120
Program:	NPDINDSML
Latest Milestone Completion Date:	7/23/2003
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.144990
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.43
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	213845
Reg Measure Type:	NPDES Permits

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

Region:	9
Order #:	97-037
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	FED
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1300
Status:	Historical
Status Date:	01/03/2014
Effective Date:	05/04/1987
Expiration/Review Date:	11/12/2002
Termination Date:	11/12/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	234704
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/31/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	9/14/2001
Termination Date:	10/31/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000400
Description:	This is the enforcement SEL for the stormwater toxicity for 1999-2000 wet season.<CR>There were 7 samples taken on 2/12/2000 and 1 sample takne on 4/17/2000.
Program:	NPDINDSML
Latest Milestone Completion Date:	9/14/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.144990
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.43
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	213845
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	97-037
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	FED
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1300
Status:	Historical
Status Date:	01/03/2014
Effective Date:	05/04/1987
Expiration/Review Date:	11/12/2002
Termination Date:	11/12/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	233218

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	06/30/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	6/30/1999
Termination Date:	06/30/1999
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000400
Description:	link to violaiton record # 630
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.144990
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	352044
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2008-0049
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	1300
Status:	Historical
Status Date:	03/18/2015
Effective Date:	08/13/2008
Expiration/Review Date:	08/13/2013
Termination Date:	05/31/2015
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	402791
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	Not reported
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	09/10/2015
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	SEL for Continental Maritime of San Diego, Inc.
Description:	Not reported
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.144990
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	352044
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2008-0049
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	1300
Status:	Historical
Status Date:	03/18/2015
Effective Date:	08/13/2008
Expiration/Review Date:	08/13/2013
Termination Date:	05/31/2015
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	396291
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	05/12/2014
Adoption/Issuance Date:	05/12/2014
Achieve Date:	Not reported
Termination Date:	05/12/2014
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	05/21/2014 SEL for Continental Maritime of San Diego, Inc.
Description:	Covering July 2012 ? March 2014 quarterly monitoring reports, July 2012 ? December 2013 semi annual reports, and 2012 ? 2013 annual reports.
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	9
Facility Id:	215572
Agency Name:	Not reported
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.694602
Place Longitude:	-117.144990
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	385614
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	Not reported
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	06/25/2012 SEL for Continental Maritime IND, INC
Description:	a full service ship repair facility.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2467
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2996
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT138

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	217930
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C328865
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	11/23/2009
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	7/22/2004
STATUS CODE NAME:	Terminated
STATUS DATE:	12/14/2009
PLACE SIZE:	3
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	BOB Montreuil
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	6192348851
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Continental Maritime
OPERATOR ADDRESS:	1995 Bay Front St
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92113
OPERATOR CONTACT NAME:	BOB Montreuil
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	619-234-8851
OPERATOR CONTACT PHONE EXT:	Not reported

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Whilock Contracting Inc
DEVELOPER ADDRESS:	PO Box 2322
DEVELOPER CITY:	La Mesa
DEVELOPER STATE:	California
DEVELOPER ZIP:	91943
DEVELOPER CONTACT NAME:	Mark Whilock
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	619-234-8851
EMERGENCY PHONE EXT:	530
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Y
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	San Diego Bay
CERTIFIER NAME:	Bob Montreuil
CERTIFIER TITLE:	Facilities Manager
CERTIFICATION DATE:	02-JUL-04
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Npdes Number:	CA0109142
Facility Status:	Historical
Agency Id:	9293
Region:	9
Regulatory Measure Id:	352044
Order No:	R9-2008-0049
Regulatory Measure Type:	NPDES Permits
Place Id:	215572
WDID:	9 000000400
Program Type:	NPDINDSML
Adoption Date Of Regulatory Measure:	08/13/2008
Effective Date Of Regulatory Measure:	08/13/2008
Expiration Date Of Regulatory Measure:	08/13/2013
Termination Date Of Regulatory Measure:	05/31/2015
Discharge Name:	Continental Maritime of San Diego, Inc.
Discharge Address:	1995 Bayfront Street
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92113
RECEIVED DATE:	Not reported

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CA0109142

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

Facility Status:	Active
Agency Id:	9293
Region:	9
Regulatory Measure Id:	400280
Order No:	R9-2015-0009
Regulatory Measure Type:	NPDES Permits
Place Id:	215572
WDID:	9 000000400
Program Type:	NPDINDSML
Adoption Date Of Regulatory Measure:	03/16/2015
Effective Date Of Regulatory Measure:	06/01/2015
Expiration Date Of Regulatory Measure:	05/31/2020
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Continental Maritime of San Diego, Inc.
Discharge Address:	1995 Bayfront Street
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92113
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **S104746413**

CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

AD146 **CONTINENTAL MARITIME / CALTRANS** **CA SLIC** **S118504661**
ESE **1995 BAY FRONT STREET** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.493 mi.
2602 ft. **Site 3 of 6 in cluster AD**

Relative:
Higher

Actual:
23 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	07/18/2013
Global Id:	T10000004954
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	Not reported
Latitude:	32.6938281808618
Longitude:	-117.148664758594
Case Type:	Cleanup Program Site
Case Worker:	WC
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected:	Sediments
Potential Contaminants of Concern:	Arsenic, Chromium, Copper, Lead, Zinc
Site History:	Sediments offshore are high in metals (copper, chromium, lead, zinc). This is a San Diego Bay Strategy Tier 1 case for future evaluation.

Click here to access the California GeoTracker records for this facility:

AD147 **CONTINENTAL MARITIME OF S D** **CA LUST** **S103978937**
ESE **1995 BAYFRONT ST** **CA SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113** **CA San Diego Co. HMMD**
0.493 mi. **CA SWEEPS UST**
2602 ft. **Site 4 of 6 in cluster AD** **CA HIST UST**

Relative:
Higher

Actual:
23 ft.

LUST:

Region:	STATE
Global Id:	T0607301763
Latitude:	32.6957905375685
Longitude:	-117.147869110304

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/15/2005
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2996
LOC Case Number:	H00120-002
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607301763
Status:	Completed - Case Closed
Status Date:	04/15/2005

Global Id:	T0607301763
Status:	Open - Case Begin Date
Status Date:	08/30/1990

Regulatory Activities:

Global Id:	T0607301763
Action Type:	Other
Date:	08/30/1990
Action:	Leak Stopped

Global Id:	T0607301763
Action Type:	Other
Date:	08/30/1990
Action:	Leak Began

Global Id:	T0607301763
Action Type:	ENFORCEMENT
Date:	08/31/1990
Action:	Notice of Responsibility

Global Id:	T0607301763
Action Type:	Other
Date:	08/30/1990
Action:	Leak Discovery

Global Id:	T0607301763
Action Type:	Other
Date:	08/30/1990
Action:	Leak Reported

Region:	STATE
Global Id:	T0607301225
Latitude:	32.6947395724778
Longitude:	-117.147731781006
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Status Date: 02/24/1997
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT2467
LOC Case Number: H00120-003
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id: T0607301225
Status: Completed - Case Closed
Status Date: 02/24/1997

Global Id: T0607301225
Status: Open - Case Begin Date
Status Date: 07/10/1992

Regulatory Activities:

Global Id: T0607301225
Action Type: Other
Date: 07/10/1992
Action: Leak Began

Global Id: T0607301225
Action Type: Other
Date: 07/10/1992
Action: Leak Discovery

Global Id: T0607301225
Action Type: Other
Date: 07/10/1992
Action: Leak Reported

Region: STATE
Global Id: T0607300219
Latitude: 32.6948163186332
Longitude: -117.14772105217
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/25/1989
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT138
LOC Case Number: H00120-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300219
Status:	Completed - Case Closed
Status Date:	05/25/1989

Global Id:	T0607300219
Status:	Open - Case Begin Date
Status Date:	12/12/1986

Regulatory Activities:

Global Id:	T0607300219
Action Type:	Other
Date:	12/12/1986
Action:	Leak Stopped

Global Id:	T0607300219
Action Type:	Other
Date:	12/12/1986
Action:	Leak Began

Global Id:	T0607300219
Action Type:	Other
Date:	12/12/1986
Action:	Leak Discovery

Global Id:	T0607300219
Action Type:	Other
Date:	12/12/1986
Action:	Leak Reported

SAN DIEGO CO. SAM:

Case Number:	H00120-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	5/25/1989
Date Began:	12/12/1986

Case Number:	H00120-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**POP**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	4/15/2005
Date Began:	8/30/1990

Case Number:	H00120-003
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	2/24/1997

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Date Began: 7/10/1992

SAN DIEGO CO. HMMD:
Facility Id: 100120
Business Type: 6HK71
EPA Id Number: CAD981418395
APN: 538-660-22-00
Last HMMD Inspection: 10/21/2009
Permit Status: INAC
Permit Expiration: 04/30/2012
Facility Owner: CONTINENTAL MARITIME OF S, INC
Facility Address: 1995 BAYFRONT ST
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92113-2122
UST Owner: CONTINENTAL MARITIME OF SD INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 100120 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: CD-1
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: CLOSED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: CG-1
Capacity Gallons: 500
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

UST Name: UNDERGROUND TANK 100120 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: FD-1
Capacity Gallons: 2000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: 1979-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: FD-2
Capacity Gallons: 6000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: AT1978
Capacity Gallons: 10000
UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: REMOVED
Remove Close Date: 1990-07-19 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: AT2018
Capacity Gallons: 12000

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: REMOVED
Remove Close Date: 1990-07-19 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: SINGLE WALL
Additional Id: 007
Capacity Gallons: 12000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1994-06-20 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T008
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: SINGLE WALL
Additional Id: 008
Capacity Gallons: 2200
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1994-03-05 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Violations Inactive Permits:
Facility Id: 100120
Update Date: 11/02/2012
Inspection Date: 11/13/2004
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: Inactive Permit

Facility Id: 100120

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Update Date:	11/02/2012
Inspection Date:	04/01/2008
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	Inactive Permit

Facility Id:	100120
Update Date:	11/02/2012
Inspection Date:	10/21/2005
Violation Code:	6HV1602
Violation:	P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation:	Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity:	Inactive Permit

Facility Id:	100120
Update Date:	11/02/2012
Inspection Date:	04/01/2008
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	Inactive Permit

Facility Id:	100120
Business Type:	6HK71
EPA Id Number:	CAD981418395
APN:	538-660-22-00
Last HMMD Inspection:	10/21/2009
Permit Status:	INAC
Permit Expiration:	04/30/2012
Facility Owner:	CONTINENTAL MARITIME OF S, INC
Facility Address:	1995 BAYFRONT ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113-2122
UST Owner:	CONTINENTAL MARITIME OF SD INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 100120 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	100120
Tank Type:	UNKNOWN
Additional Id:	CD-1
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	CLOSED
Remove Close Date:	1986-11-08 00:00:00

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: CG-1
Capacity Gallons: 500
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: FD-1
Capacity Gallons: 2000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: 1979-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: FD-2
Capacity Gallons: 6000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

UST Name: UNDERGROUND TANK 100120 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: AT1978
Capacity Gallons: 10000
UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: REMOVED
Remove Close Date: 1990-07-19 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: AT2018
Capacity Gallons: 12000
UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: REMOVED
Remove Close Date: 1990-07-19 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: SINGLE WALL
Additional Id: 007
Capacity Gallons: 12000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1994-06-20 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T008
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: SINGLE WALL
Additional Id: 008
Capacity Gallons: 2200

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1994-03-05 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Violations Inactive Permits:

Facility Id:	100120
Update Date:	11/02/2012
Inspection Date:	11/13/2004
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	Inactive Permit

Facility Id:	100120
Update Date:	11/02/2012
Inspection Date:	04/01/2008
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	Inactive Permit

Facility Id:	100120
Update Date:	11/02/2012
Inspection Date:	10/21/2005
Violation Code:	6HV1602
Violation:	P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation:	Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity:	Inactive Permit

Facility Id:	100120
Update Date:	11/02/2012
Inspection Date:	04/01/2008
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	Inactive Permit

Facility Id:	208644
Business Type:	6HK57
EPA Id Number:	CA4170090613
APN:	538-660-22-00
Last HMMD Inspection:	03/20/2008
Permit Status:	OPEN
Permit Expiration:	07/31/2013

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Facility Owner: USN - SWRMC
Facility Address: 33755 BRINSER ST
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92136-5299
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 208644
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 208644
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 208644
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 208644
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 281 ADHESIVES
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 208644
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Facility Id: 208644
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 741 LIQ W HALOG ORG >OR= 1000MG/L
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 208644
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SWEEPS UST:
Status: Active
Comp Number: 120
Number: 9
Board Of Equalization: 44-021534
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 120
Number: Not reported
Board Of Equalization: 44-021534
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000120-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: 6

Status: Not reported
Comp Number: 120
Number: Not reported

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Board Of Equalization: 44-021534
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000120-000002
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 120
Number: Not reported
Board Of Equalization: 44-021534
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000120-000003
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 120
Number: Not reported
Board Of Equalization: 44-021534
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000120-000004
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 120
Number: Not reported
Board Of Equalization: 44-021534
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000120-000005

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 120
Number: Not reported
Board Of Equalization: 44-021534
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000120-000006
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: 0002ACEC
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002ACEC.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

AD148 **CONTINENTAL MARITIME OF SD INC** **CA SLIC** **1006433125**
ESE **1995 BAY FRONT ST** **CA EMI** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113**
0.493 mi.
2602 ft. **Site 5 of 6 in cluster AD**

Relative:
Higher

Actual:
23 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	01/11/1995
Global Id:	T0608163896
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H35321-001
Latitude:	32.6970148422411
Longitude:	-117.148633003235
Case Type:	Cleanup Program Site
Case Worker:	JC
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Heating Oil / Fuel Oil
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

EMI:

Year:	1993
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16
Reactive Organic Gases Tons/Yr:	13
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	2
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2

Year:	1995
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16
Reactive Organic Gases Tons/Yr:	13
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	2

CONTINENTAL MARITIME OF SD INC (Continued) **1006433125**

Part. Matter 10 Micrometers and Smllr Tons/Yr:2

Year:	1996
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16
Reactive Organic Gases Tons/Yr:	13
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	2
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2

Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	5056

CONTINENTAL MARITIME OF SD INC (Continued) **1006433125**

Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9

CONTINENTAL MARITIME OF SD INC (Continued) **1006433125**

Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.06453093
Reactive Organic Gases Tons/Yr:	5.04911411
Carbon Monoxide Emissions Tons/Yr:	0.24671097
NOX - Oxides of Nitrogen Tons/Yr:	0.4989847
SOX - Oxides of Sulphur Tons/Yr:	0.00455465
Particulate Matter Tons/Yr:	0.28677596
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.28677596

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.02082
Reactive Organic Gases Tons/Yr:	5.01131
Carbon Monoxide Emissions Tons/Yr:	.23935
NOX - Oxides of Nitrogen Tons/Yr:	.47463
SOX - Oxides of Sulphur Tons/Yr:	.0045613
Particulate Matter Tons/Yr:	.2985231000888681072
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.239802

CONTINENTAL MARITIME OF SD INC (Continued) **1006433125**

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	4845
Air District Name:	SD
SIC Code:	9711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	54.808598522
Reactive Organic Gases Tons/Yr:	54.551607458
Carbon Monoxide Emissions Tons/Yr:	3.058473788
NOX - Oxides of Nitrogen Tons/Yr:	7.144869607
SOX - Oxides of Sulphur Tons/Yr:	.075431852
Particulate Matter Tons/Yr:	.822345594
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.822256687

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.12817
Reactive Organic Gases Tons/Yr:	8.11866
Carbon Monoxide Emissions Tons/Yr:	.35877
NOX - Oxides of Nitrogen Tons/Yr:	1.09
SOX - Oxides of Sulphur Tons/Yr:	.01181
Particulate Matter Tons/Yr:	.317842
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.317842

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.12817
Reactive Organic Gases Tons/Yr:	8.11866
Carbon Monoxide Emissions Tons/Yr:	.35877
NOX - Oxides of Nitrogen Tons/Yr:	1.09
SOX - Oxides of Sulphur Tons/Yr:	.01181
Particulate Matter Tons/Yr:	.317842
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.317842

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731

CONTINENTAL MARITIME OF SD INC (Continued) **1006433125**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.1799999999999997
Reactive Organic Gases Tons/Yr:	8.1600000000000001
Carbon Monoxide Emissions Tons/Yr:	0.40000000000000002
NOX - Oxides of Nitrogen Tons/Yr:	1.1200000000000001
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.32000000000000001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.32000000000000001

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.28
Reactive Organic Gases Tons/Yr:	3.82
Carbon Monoxide Emissions Tons/Yr:	0.41
NOX - Oxides of Nitrogen Tons/Yr:	1.13
SOX - Oxides of Sulphur Tons/Yr:	0.01
Particulate Matter Tons/Yr:	0.26
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.26

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.28
Reactive Organic Gases Tons/Yr:	3.82
Carbon Monoxide Emissions Tons/Yr:	0.41
NOX - Oxides of Nitrogen Tons/Yr:	1.13
SOX - Oxides of Sulphur Tons/Yr:	0.01
Particulate Matter Tons/Yr:	0.26
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.26

Year:	2013
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.28
Reactive Organic Gases Tons/Yr:	3.82
Carbon Monoxide Emissions Tons/Yr:	0.41

CONTINENTAL MARITIME OF SD INC (Continued) **1006433125**

NOX - Oxides of Nitrogen Tons/Yr:	1.13
SOX - Oxides of Sulphur Tons/Yr:	0.01
Particulate Matter Tons/Yr:	0.26
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.26

Year:	2014
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.275463
Reactive Organic Gases Tons/Yr:	3.813724
Carbon Monoxide Emissions Tons/Yr:	0.36946
NOX - Oxides of Nitrogen Tons/Yr:	1.04526
SOX - Oxides of Sulphur Tons/Yr:	0.029041
Particulate Matter Tons/Yr:	0.268188
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.268188

---

149 East 1/4-1/2 0.493 mi. 2602 ft.

JOHNSON TRUCK REPAIR & PAINT
1931 NEWTON AV
SAN DIEGO, CA 92113

CA SAN DIEGO CO. SAM **S104745875**
CA SLIC **N/A**
CA San Diego Co. HMMD

Relative: Higher

Actual: 46 ft.

SAN DIEGO CO. SAM:

Case Number:	H04173-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Complaint
Facility Status:	Preliminary Assessment
Date:	1/13/1994
Date Began:	12/14/1987

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/21/2012
Global Id:	T0608164552
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H04173-001
Latitude:	32.699183307052
Longitude:	-117.145159974478
Case Type:	Cleanup Program Site
Case Worker:	VAP
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Please refer to "Site Maps/Documents" tab for Closure Information

Click here to access the California GeoTracker records for this facility:

JOHNSON TRUCK REPAIR & PAINT (Continued) **S104745875**

SAN DIEGO CO. HMMD:

Facility Id:	104173
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	538-671-02-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	JOHNSON TRUCK REPAIR
Facility Address:	3611 PRINCE ST
Facility City:	ESCONDIDO
Facility State:	CA
Facility Zip:	92025-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

AA150 **SDG&E STATION A - BLCK 15** **CA LUST S102444734**
North **175 11TH ST/1100 L** **CA HIST CORTESE N/A**
1/4-1/2 **SAN DIEGO, CA 92101**
0.493 mi.
2604 ft. **Site 2 of 2 in cluster AA**

Relative:
Higher

Actual:
23 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT3166
Local Case:	H36432-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	05/21/1996
Date Stopped:	08/13/1998
Confirm Date:	/ /
Submit Workplan:	6/10/96
Prelim Assess:	06/11/1996
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	05/21/1996
Enforce Date:	6/10/96
Closed Date:	12/31/98
Enforce Type:	SEL
Pilot Program:	LOP

SDG&E STATION A - BLCK 15 (Continued) **S102444734**

Basin Number: 908.21
GW Depth: 9.96
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 3A
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3166

X151 **SDCTY-FIRE STATION #07** **CA SAN DIEGO CO. SAM** **U003941535**
ENE **944 CROSBY ST** **CA UST** **N/A**
1/4-1/2 **SAN DIEGO, CA 92113** **CA SWEEPS UST**
0.496 mi.
2620 ft. **Site 2 of 2 in cluster X**

Relative:
Higher

Actual:
57 ft.

SAN DIEGO CO. SAM:
Case Number: H21195-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 6/27/1989
Date Began: 5/15/1989

UST:
Facility ID: H21195
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.701
Longitude: -117.14472

SWEEPS UST:
Status: Active
Comp Number: 21195
Number: 9
Board Of Equalization: 44-023476
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021195-000002
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: 1

Status: Not reported

SDCTY-FIRE STATION #07 (Continued) **U003941535**

Comp Number:	21195
Number:	Not reported
Board Of Equalization:	44-023476
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021195-000001
Tank Status:	Not reported
Capacity:	280
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	1

AB152 **SAINT VINCENT DE PAUL VILLAGE** **CA SLIC** **S106519121**
NNE **15TH & 16TH STREETS** **N/A**
1/4-1/2 **SAN DIEGO, CA 92102**
0.498 mi.
2630 ft. **Site 2 of 2 in cluster AB**

Relative:
Higher

Actual:
34 ft.

SLIC REG 9:

Region:	9
Facilty Type:	Not reported
Status:	Dead
Sort Code:	20-0339.02
Waste Discharger Id:	9 000339N99
Local Case Num:	Not reported
Responsible Party:	JOAN KROC CENTER
Category:	GENERAL
Class:	SLIC
Order Number:	Not reported
File Number:	1
Date Entered:	Not reported
End Date:	Not reported
Archive Box #:	928
Archive Box Storage:	3-1-15F
Archive Box Storage Location:	Not reported
Remarks:	Not reported

Region:	9
Facilty Type:	Not reported
Status:	Dead
Sort Code:	20-0339.051
Waste Discharger Id:	9 000339N99
Local Case Num:	Not reported
Responsible Party:	JOAN KROC CENTER
Category:	REPORT
Class:	SLIC
Order Number:	Not reported
File Number:	1
Date Entered:	Not reported
End Date:	Not reported
Archive Box #:	928
Archive Box Storage:	3-1-15F
Archive Box Storage Location:	Not reported
Remarks:	Not reported

Y153 **STUDIO 15** **CA ENVIROSTOR** **S108407259**
NNE **70 15TH STREET** **CA SAN DIEGO CO. SAM** **N/A**
1/2-1 **SAN DIEGO, CA 92101** **CA VCP**
0.506 mi. **CA DEED**
2671 ft. **Site 5 of 5 in cluster Y**

Relative:
Higher

Actual:
24 ft.

ENVIROSTOR:

Facility ID:	60000490
Status:	Certified / Operation & Maintenance
Status Date:	08/06/2013
Site Code:	401329
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.64
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Maryam Tasnif-Abbasi
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	78
Senate:	39
Special Program:	CLRRA Liability Immunity (AB 389)
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	32.70595
Longitude:	-117.1507
APN:	535-621-01
Past Use:	FUEL - VEHICLE STORAGE/ REFUELING, MANUFACTURING - CHEMICALS, MANUFACTURING - METAL, RETAIL - VEHICLES, TRANSPORTATION - WAREHOUSING Not reported
Potential COC:	Lead Tetrachloroethylene (PCE TPH-MOTOR OIL Trichloroethylene (TCE Chloroform Copper and compounds 1,2-Dichloroethylene (cis
Confirmed COC:	Lead Tetrachloroethylene (PCE Trichloroethylene (TCE Chloroform Copper and compounds 1,2-Dichloroethylene (cis Lead 3002502-NO
Potential Description:	SOIL
Alias Name:	535-621-01
Alias Type:	APN
Alias Name:	110033617995
Alias Type:	EPA (FRS #)
Alias Name:	401329
Alias Type:	Project Code (Site Code)
Alias Name:	60000490
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	California Land Reuse and Revitalization Agreement
Completed Date:	11/20/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	11/17/2015
Comments:	Annual Cost Estimate for FY 1516 completed.
Completed Area Name:	PROJECT WIDE

STUDIO 15 (Continued) **S108407259**

Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/29/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/03/2008
Comments: This letter projects the number of hours DTSC may expend on the project during the 2008 calender year. This is just an estimate and could change based on project needs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/13/2006
Comments: The workplan was approved by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: AB 389 Response Plan
Completed Date: 06/28/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/01/2007
Comments: Fact sheet was approved and mailed out on 4/30/07

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/04/2007
Comments: DTSC has completed its review and no written comments are needed at this time.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/04/2007
Comments: There were no comments or concerns expressed by the public regarding this Addendum. The task is completed, no additional tasks are needed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 12/31/2007
Comments: RsP for Soil was approved, with outstanding items needed in order to fill criteria of "appropriate care" for the site under the AB 389/CLRRA Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 05/29/2009

STUDIO 15 (Continued) **S108407259**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 01/25/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 09/07/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 02/28/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/09/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 09/05/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 06/13/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/15/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/09/2015
Comments: Received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/28/2012
Comments: All response actions, with the exception of ongoing O&M have been completed.

STUDIO 15 (Continued) **S108407259**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/09/2014
Comments:	1st CE letter sent 07/10/14; revised CE letter mailed 09/10/14.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H39697-001
Agency:	CA Department of Toxic Substance Control
Funding:	**Non Billable**
Facility Type:	Soils Only
Facility Status:	Preliminary Assessment
Date:	10/12/2006
Date Began:	Not reported

VCP:

Facility ID:	60000490
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.64
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Maryam Tasnif-Abbasi
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	401329
Assembly:	78
Senate:	39
Special Programs Code:	CLRRA Liability Immunity (AB 389)
Status:	Certified / Operation & Maintenance
Status Date:	08/06/2013
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	32.70595 / -117.1507
APN:	535-621-01
Past Use:	FUEL - VEHICLE STORAGE/ REFUELING, MANUFACTURING - CHEMICALS, MANUFACTURING - METAL, RETAIL - VEHICLES, TRANSPORTATION - WAREHOUSING Not reported
Potential COC:	30013, 30022, 3002502, 30027, 30136, 30156, 30195
Confirmed COC:	30013,, ,30022,30027,30136,30156,30195,30013,3002502-NO
Potential Description:	SOIL
Alias Name:	535-621-01
Alias Type:	APN

STUDIO 15 (Continued) **S108407259**

Alias Name: 110033617995
Alias Type: EPA (FRS #)
Alias Name: 401329
Alias Type: Project Code (Site Code)
Alias Name: 60000490
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 11/20/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/17/2015
Comments: Annual Cost Estimate for FY 1516 completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/29/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/03/2008
Comments: This letter projects the number of hours DTSC may expend on the project during the 2008 calender year. This is just an estimate and could change based on project needs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/13/2006
Comments: The workplan was approved by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: AB 389 Response Plan
Completed Date: 06/28/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/01/2007
Comments: Fact sheet was approved and mailed out on 4/30/07

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/04/2007
Comments: DTSC has completed its review and no written comments are needed at this time.

STUDIO 15 (Continued) **S108407259**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/04/2007
Comments: There were no comments or concerns expressed by the public regarding this Addendum. The task is completed, no additional tasks are needed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 12/31/2007
Comments: RsP for Soil was approved, with outstanding items needed in order to fill criteria of "appropriate care" for the site under the AB 389/CLRRA Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 05/29/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 01/25/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 09/07/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 02/28/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/09/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 09/05/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 06/13/2014
Comments: Not reported

STUDIO 15 (Continued) **S108407259**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/15/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/09/2015
Comments: Received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/28/2012
Comments: All response actions, with the exception of ongoing O&M have been completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/09/2014
Comments: 1st CE letter sent 07/10/14; revised CE letter mailed 09/10/14.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Envirostor ID: 60000490
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 06/29/2009

AD154 **HARBOR BOAT AND TUG** **CA ENVIROSTOR** **1000175734**
ESE **2145 BELT ST** **CA LUST** **N/A**
1/2-1 **SAN DIEGO, CA 92113** **CA SLIC**
0.515 mi. **CA AST**
2719 ft. **Site 6 of 6 in cluster AD** **CA SWEEPS UST**
CA HIST UST

Relative:
Higher

Actual:
22 ft.

ENVIROSTOR:
Facility ID: 71002765
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported

HARBOR BOAT AND TUG (Continued) **1000175734**

Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Assembly: 80
Senate: 40
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 32.69376
Longitude: -117.1443
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD981379415
Alias Type: EPA Identification Number
Alias Name: 71002765
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 37000031
Status: Refer: 1248 Local Agency
Status Date: 01/23/2001
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 79

HARBOR BOAT AND TUG (Continued) **1000175734**

Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 37000031
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 01/23/2001
Comments: SB 1248 San Diego County

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Region: STATE
Global Id: T0607301155
Latitude: 32.6940680760209
Longitude: -117.145183457416
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/16/1989
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT239
LOC Case Number: H02377-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Alcohols
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607301155
Status: Completed - Case Closed
Status Date: 05/16/1989

Global Id: T0607301155

HARBOR BOAT AND TUG (Continued) **1000175734**

Status: Open - Case Begin Date
Status Date: 11/20/1985

Regulatory Activities:
Global Id: T0607301155
Action Type: Other
Date: 11/20/1985
Action: Leak Stopped

Global Id: T0607301155
Action Type: Other
Date: 11/20/1985
Action: Leak Began

Global Id: T0607301155
Action Type: Other
Date: 11/20/1985
Action: Leak Discovery

Global Id: T0607301155
Action Type: Other
Date: 11/20/1985
Action: Leak Reported

Region: STATE
Global Id: T0607301188
Latitude: 32.6940608526303
Longitude: -117.145372284669
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/28/1988
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT2423
LOC Case Number: H02377-002
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Kerosene
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607301188
Status: Completed - Case Closed
Status Date: 09/28/1988

Global Id: T0607301188
Status: Open - Case Begin Date
Status Date: 07/21/1987

Regulatory Activities:
Global Id: T0607301188
Action Type: Other
Date: 07/21/1987

HARBOR BOAT AND TUG (Continued) **1000175734**

Action: Leak Stopped

Global Id: T0607301188
Action Type: Other
Date: 07/21/1987
Action: Leak Began

Global Id: T0607301188
Action Type: Other
Date: 07/21/1987
Action: Leak Discovery

Global Id: T0607301188
Action Type: Other
Date: 07/21/1987
Action: Leak Reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 03/26/1992
Global Id: T0608179993
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H02377-003
Latitude: 32.6939224475558
Longitude: -117.14529633522
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 08/15/1995
Global Id: T0608117074
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H02377-007
Latitude: 32.6939495346896
Longitude: -117.145231962204
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HARBOR BOAT AND TUG (Continued) **1000175734**

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/15/2004
Global Id:	T0608126802
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H02377-009
Latitude:	32.6939089039858
Longitude:	-117.145248055458
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/15/2004
Global Id:	T0608151998
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H02377-006
Latitude:	32.6939450201679
Longitude:	-117.145108580589
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	03/29/2001
Global Id:	T0608163856
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H02377-010
Latitude:	32.6939540492112
Longitude:	-117.145253419876
Case Type:	Cleanup Program Site
Case Worker:	JC
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HARBOR BOAT AND TUG (Continued) **1000175734**

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/21/1993
Global Id:	T0608119278
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H02377-004
Latitude:	32.6940669121747
Longitude:	-117.145274877548
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/13/2010
Global Id:	T0608138779
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H02377-005
Latitude:	32.6941256401916
Longitude:	-117.145219083762
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/20/1996
Global Id:	T0608151729
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H02377-008
Latitude:	32.6939495346896
Longitude:	-117.145103216171
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HARBOR BOAT AND TUG (Continued) **1000175734**

AST:

Certified Unified Program Agencies:	Not reported
Owner:	Ray Carpenter
Total Gallons:	Not reported
CERSID:	10622437
Facility ID:	37-000-001941
Business Name:	R E STAITE ENGINEERING
Phone:	(619)233-0178
Fax:	Not reported
Mailing Address:	2145 E. BELT ST
Mailing Address City:	SAN DIEGO
Mailing Address State:	CA
Mailing Address Zip Code:	92113
Operator Name:	RAY CARPENTER/KATHA CARPENTER/Walt Jellison
Operator Phone:	(619)233-0178
Owner Phone:	(619)233-0178
Owner Mail Address:	2145 E Belt St
Owner State:	CA
Owner Zip Code:	92113
Owner Country:	United States
Property Owner Name:	KELCO CO
Property Owner Phone:	(619)595-5000
Property Owner Mailing Address:	123 N WACKER DR #20
Property Owner City:	San Diego
Property Owner Stat :	CA
Property Owner Zip Code:	92113
Property Owner Country:	United States
EPAID:	CAL000366557

SWEEPS UST:

Status:	Active
Comp Number:	2377
Number:	9
Board Of Equalization:	44-021680
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002377-000006
Tank Status:	A
Capacity:	11000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	P
Content:	Not reported
Number Of Tanks:	5

Status:	Active
Comp Number:	2377
Number:	9
Board Of Equalization:	44-021680
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002377-000007

HARBOR BOAT AND TUG (Continued) **1000175734**

Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 2377
Number: 9
Board Of Equalization: 44-021680
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002377-000008
Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 2377
Number: 9
Board Of Equalization: 44-021680
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002377-000009
Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 2377
Number: 9
Board Of Equalization: 44-021680
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002377-000010
Tank Status: A
Capacity: 11000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported

HARBOR BOAT AND TUG (Continued) **1000175734**

Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2377
Number: Not reported
Board Of Equalization: 44-021680
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002377-000001
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: Not reported
Number Of Tanks: 5

Status: Not reported
Comp Number: 2377
Number: Not reported
Board Of Equalization: 44-021680
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002377-000002
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2377
Number: Not reported
Board Of Equalization: 44-021680
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002377-000003
Tank Status: Not reported
Capacity: 15000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2377
Number: Not reported
Board Of Equalization: 44-021680

HARBOR BOAT AND TUG (Continued) **1000175734**

Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002377-000004
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2377
Number: Not reported
Board Of Equalization: 44-021680
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002377-000005
Tank Status: Not reported
Capacity: 3000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: 0002B5E6
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B5E6.pdf
Region: STATE
Facility ID: 00000001334
Facility Type: Other
Other Type: KELP PROCESSING AND
Contact Name: R. M. KULAKOW, PLANT MANAGER
Telephone: 6192924900
Owner Name: KELCO, DIV. MERCK & CO., INC.
Owner Address: 8355 AERO DRIVE
Owner City,St,Zip: SAN DIEGO, CA 92123
Total Tanks: 0010

Tank Num: 001
Container Num: B 1
Year Installed: 1943
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: G 1
Year Installed: 1982
Tank Capacity: 00000550

HARBOR BOAT AND TUG (Continued) **1000175734**

Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 5/16
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: IPA 1
Year Installed: 1947
Tank Capacity: 00015000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 5/16
Leak Detection: Visual, Stock Inventor

Tank Num: 004
Container Num: IPA 2
Year Installed: 1947
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 5/16
Leak Detection: Visual, Stock Inventor

Tank Num: 005
Container Num: IPA 3
Year Installed: 1947
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 5/16
Leak Detection: None

Tank Num: 006
Container Num: PO 1
Year Installed: 1970
Tank Capacity: 00011000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 5/16
Leak Detection: Stock Inventor

Tank Num: 007
Container Num: PO 2
Year Installed: 1969
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 5/16
Leak Detection: Stock Inventor

Tank Num: 008
Container Num: PO 3
Year Installed: 1960
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 5/16

HARBOR BOAT AND TUG (Continued) **1000175734**

Leak Detection: Stock Inventor

Tank Num: 009
Container Num: PO 4
Year Installed: 1960
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 5/16
Leak Detection: Stock Inventor

Tank Num: 010
Container Num: PO 5
Year Installed: 1974
Tank Capacity: 00011000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 5/16
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

AC155 **CAMPBELL INDUSTRIES** **CA ENVIROSTOR** **1000345675**
NNW **501 EAST HARBOUR DRIVE** **CA LUST** **N/A**
1/2-1 **SAN DIEGO, CA 92112**
0.540 mi.
2849 ft. **Site 2 of 2 in cluster AC**

Relative:
Higher

Actual:
18 ft.

ENVIROSTOR:
Facility ID: 37090001
Status: Refer: Other Agency
Status Date: 02/08/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: Not reported
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008230047
Alias Type: EPA Identification Number
Alias Name: 37090001

CAMPBELL INDUSTRIES (Continued) **1000345675**

Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/08/1995
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 12/04/1987
Comments: SITE SCREENING DONE RCRA: HISTORICALLY DISPOSED TO SAN DIEGO BAY

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 07/01/1984
Comments: PRELIM ASSESS DONE RCRA 3012: NFA - REGULATED BY LOCAL AGENCIES

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 12/29/1982
Comments: SITE SCREENING DONE DHS ABANDONED SITE PROJECT: STRONG SOL- VENT ODOR EMANATED FROM SITE

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT4109
Local Case: H00417-003
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Tank
Cause: Corrosion
Lead Agency: Regional Board
Case Type: Soil only
Date Found: 04/11/2000
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported

CAMPBELL INDUSTRIES (Continued) **1000345675**

Prelim Assess: 01/16/2001
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 04/11/2000
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: UST
Basin Number: 908.22
GW Depth: Not reported
Beneficial Use: NBU
NPDES Number: Not reported
Priority: Not reported
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

156
NNW
1/2-1
0.541 mi.
2857 ft.

HARD ROCK HOTEL **CA ENVIROSTOR** **S106797727**
208-228 6TH AVENUE AND K STREET **N/A**
SAN DIEGO, CA 92101

Relative:
Higher

Actual:
21 ft.

ENVIROSTOR:
Facility ID: 37700001
Status: Refer: 1248 Local Agency
Status Date: 09/08/2004
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 76
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 37700001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported

HARD ROCK HOTEL (Continued) **S106797727**

Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

157
North
1/2-1
0.544 mi.
2870 ft.

SDG&E/STATION A BLOCK 135
250 10TH AV
SAN DIEGO, CA 92101

CA ENVIROSTOR **S104757243**
CA SAN DIEGO CO. SAM **N/A**
CA SLIC
CA San Diego Co. HMMD

Relative:
Higher

Actual:
34 ft.

ENVIROSTOR:
Facility ID: 37490035
Status: Refer: 1248 Local Agency
Status Date: 06/14/2000
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: SAN DIEGO COUNTY
Lead Agency: SAN DIEGO COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 78
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 32.7081
Longitude: -117.1555
APN: 53536605
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 53536605
Alias Type: APN
Alias Name: 37490035
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 06/14/2000

SDG&E/STATION A BLOCK 135 (Continued) **S104757243**

Comments: SB 1248 San Diego County

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SAN DIEGO CO. SAM:
Case Number: H39133-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 6/20/2000
Date Began: 5/18/2000

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 06/20/2000
Global Id: T0608187072
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H39133-001
Latitude: 32.708102
Longitude: -117.155516
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:
Facility Id: 139133
Business Type: Not reported
EPA Id Number: Not reported
APN: 535-366-05-00
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: Not reported
Facility Address: Not reported
Facility City: Not reported
Facility State: Not reported
Facility Zip: Not reported
UST Owner: Not reported
Handle Regulated Hazmat: Not reported

SDG&E/STATION A BLOCK 135 (Continued) **S104757243**

Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

AE158 **PACIFIC TREATMENT CORP** **CA ENVIROSTOR** **S100941780**
ESE **2146 MAIN ST** **CA San Diego Co. HMMD** **N/A**
1/2-1 **SAN DIEGO, CA 92113** **CA HWP**
0.579 mi.
3057 ft. **Site 1 of 4 in cluster AE**

Relative:
Higher

Actual:
45 ft.

ENVIROSTOR:
Facility ID: 80001718
Status: Inactive - Needs Evaluation
Status Date: 11/10/2010
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: S. Steven Hariri
Supervisor: Ju-Tseng Liu
Division Branch: Cleanup Cypress
Assembly: 80
Senate: 40
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 32.69604
Longitude: -117.1418
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD095894556
Alias Type: EPA Identification Number
Alias Name: 80001718
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 07/28/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 08/17/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE

PACIFIC TREATMENT CORP (Continued) **S100941780**

Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 08/01/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 07/01/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/04/2010
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 102608
Business Type: 6HK70
EPA Id Number: CAD980886360
APN: 538-680-02-00
Last HMMD Inspection: 03/20/2007
Permit Status: INAC
Permit Expiration: 02/28/2006
Facility Owner: EMERY FERGUSON
Facility Address: 2146 MAIN ST
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92113-2218
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Facility Id: 217024
Business Type: 6HK70
EPA Id Number: CAL000352412
APN: 538-680-02-00
Last HMMD Inspection: 09/10/2012
Permit Status: OPEN
Permit Expiration: 07/31/2013
Facility Owner: COASTAL COATINGS INC
Facility Address: PO BOX 13190

PACIFIC TREATMENT CORP (Continued) **S100941780**

Facility City: San Diego
Facility State: CA
Facility Zip: 92170
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 217024
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 217024
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 217024
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 217024
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 217024
Update Date: 11/02/2012
Case Number: Not reported
Name: OIL BASE PAINTS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 217024

PACIFIC TREATMENT CORP (Continued) **S100941780**

Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 217024
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT THINNER
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 217024
Update Date: 11/02/2012
Case Number: Not reported
Name: IRON-CALCIUM SILICATE VITREOUS SMELTER SLAG
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 217024
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: USED LEAD ACID BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 217024
Update Date: 11/02/2012
Inspection Date: 09/10/2012
Violation Code: 6HV0226
Violation: HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation: Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity: ACTIVE

Facility Id: 217024
Update Date: 11/02/2012
Inspection Date: 09/10/2012
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 217024
Update Date: 11/02/2012
Inspection Date: 09/10/2012
Violation Code: 6HV1001

PACIFIC TREATMENT CORP (Continued) **S100941780**

Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE
Facility Id:	217024
Update Date:	11/02/2012
Inspection Date:	09/10/2012
Violation Code:	6HV0215
Violation:	OIL FILTERS IMPROPERLY MANAGED
Violation Citation:	Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity:	ACTIVE
Facility Id:	217024
Update Date:	11/02/2012
Inspection Date:	09/10/2012
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE
Facility Id:	217024
Update Date:	11/02/2012
Inspection Date:	09/10/2012
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE
Facility Id:	217024
Update Date:	11/02/2012
Inspection Date:	09/10/2012
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Facility Id:	208895
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	538-680-02-00
Last HMMD Inspection:	04/23/2009
Permit Status:	INAC
Permit Expiration:	04/30/2010
Facility Owner:	ALEXANDRA INVESTMENTS INC
Facility Address:	2146 MAIN ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported

PACIFIC TREATMENT CORP (Continued) **S100941780**

Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

HWP:
EPA Id: CAD095894556
Cleanup Status: CLOSED
Latitude: 32.69604
Longitude: -117.1418
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: N/A
Assembly District: 80
Senate District: 40
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD095894556
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, OTHRTRT1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 11/25/1985

EPA Id: CAD095894556
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Renewal - Historical - APPLICATION PART B RECEIVED
Actual Date: 01/16/1990

EPA Id: CAD095894556
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Renewal - Historical - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 07/26/1990

EPA Id: CAD095894556
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, OTHRTRT1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 01/31/1986

EPA Id: CAD095894556
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, OTHRTRT1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 01/31/1986

EPA Id: CAD095894556
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, OTHRTRT1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/19/1984

EPA Id: CAD095894556

PACIFIC TREATMENT CORP (Continued) **S100941780**

Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, OTHRTRT1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 05/03/1984

EPA Id: CAD095894556
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, OTHRTRT1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 01/31/1991

EPA Id: CAD095894556
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Renewal - Historical - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST RECEIVED
Actual Date: 06/07/1990

Closure:
EPA Id: CAD095894556
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, OTHRTRT1, TANKSTR1, TANKTRT1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 01/31/1996

EPA Id: CAD095894556
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, OTHRTRT1, TANKSTR1, TANKTRT1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 12/22/1995

Alias:
EPA Id: CAD095894556
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: N/A

AE159 **MASTER PLATING** **RCRA-SQG** **1000401457**
East **2109 NEWTON AVE** **CA ENVIROSTOR** **CAD067629311**
1/2-1 **SAN DIEGO, CA 92113** **CA San Diego Co. HMMD**
0.582 mi. **ICIS**
3072 ft. **Site 2 of 4 in cluster AE** **CA EMI**
CA HAZNET

Relative:
Higher

Actual:
51 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: MASTER PLATING
Facility address: 2109 NEWTON AVE
SAN DIEGO, CA 92113
EPA ID: CAD067629311
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09

MASTER PLATING (Continued) **1000401457**

Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: CASTRO ROBERT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 12/18/1985
Site name: MASTER PLATING
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 10/23/1991

MASTER PLATING (Continued) **1000401457**

Date achieved compliance: 10/23/1996
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 10/23/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/23/1996
Evaluation lead agency: State Contractor/Grantee

ENVIROSTOR:
Facility ID: 71003723
Status: Inactive - Needs Evaluation
Status Date: 09/14/2011
Site Code: 401574
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0.16
NPL: NO
Regulatory Agencies: SAN DIEGO COUNTY
Lead Agency: SAN DIEGO COUNTY
Program Manager: Not reported
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Assembly: 80
Senate: 40
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 32.69714
Longitude: -117.1424
APN: 5386801900
Past Use: METAL PLATING - OTHER
Potential COC: Total Chromium (1:6 ratio Cr VI:Cr III Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride Cyanide (free
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 5386801900
Alias Type: APN
Alias Name: CAD067629311
Alias Type: EPA Identification Number
Alias Name: 110002655234
Alias Type: EPA (FRS #)
Alias Name: 401574
Alias Type: Project Code (Site Code)
Alias Name: 71003723
Alias Type: Envirostor ID Number

MASTER PLATING (Continued) **1000401457**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other
Completed Date:	03/18/2004
Comments:	Inspection report sent on 3/18/2004
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Site Screening
Completed Date:	02/15/2012
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	03/18/2004
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	108549
Business Type:	6HK34
EPA Id Number:	CAD067629311
APN:	538-680-19-00
Last HMMD Inspection:	02/26/2002
Permit Status:	INAC
Permit Expiration:	01/31/2003
Facility Owner:	MOHAMED AFCARI
Facility Address:	2109 NEWTON AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113-2210
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

ICIS:

Enforcement Action ID:	09-2003-0026
FRS ID:	110002655234
Action Name:	Master Plating
Facility Name:	MASTER PLATING
Facility Address:	2109 NEWTON AVE

MASTER PLATING (Continued) **1000401457**

	SAN DIEGO, CA 92113
Enforcement Action Type:	CERCLA 104E5A AO For Access And/Or Info
Facility County:	SAN DIEGO
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	104E5A
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.697447
Longitude in Decimal Degrees:	-117.14239
Permit Type Desc:	Not reported
Program System Acronym:	1599800
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	09-2003-0026
FRS ID:	110002655234
Action Name:	Master Plating
Facility Name:	MASTER PLATING
Facility Address:	2109 NEWTON AVE
	SAN DIEGO, CA 92113
Enforcement Action Type:	CERCLA 122A/104A Agrmt For RI/FS
Facility County:	SAN DIEGO
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	122/104
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.697447
Longitude in Decimal Degrees:	-117.14239
Permit Type Desc:	Not reported
Program System Acronym:	1599800
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	09-2003-0026
FRS ID:	110002655234
Action Name:	Master Plating
Facility Name:	MASTER PLATING
Facility Address:	2109 NEWTON AVE
	SAN DIEGO, CA 92113
Enforcement Action Type:	CERCLA 106 AO For Resp Action/Imm Haz
Facility County:	SAN DIEGO
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	106
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.697447
Longitude in Decimal Degrees:	-117.14239
Permit Type Desc:	Not reported
Program System Acronym:	1599800
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Facility Name:	MASTER PLATING

MASTER PLATING (Continued) **1000401457**

Address:	2109 NEWTON AVE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	MASTER PLATING
Address:	2109 NEWTON AVE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	MASTER PLATING
Address:	2109 NEWTON AVE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	MASTER PLATING
Address:	2109 NEWTON AVE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	MASTER PLATING
Address:	2109 NEWTON AVE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	MASTER PLATING
Address:	2109 NEWTON AVE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported
Facility Name:	MASTER PLATING
Address:	2109 NEWTON AVE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

EMI:

Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	8621
Air District Name:	SD
SIC Code:	3471
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported

MASTER PLATING (Continued) **1000401457**

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1999
County Code: 37
Air Basin: SD
Facility ID: 8621
Air District Name: SD
SIC Code: 3471
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2000
County Code: 37
Air Basin: SD
Facility ID: 8621
Air District Name: SD
SIC Code: 3471
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HAZNET:
envid: 1000401457
Year: 2003
GEPAID: CAD067629311
Contact: MAX AFCARI
Telephone: 6192323092
Mailing Name: Not reported
Mailing Address: 2109 NEWTON AVE
Mailing City,St,Zip: SAN DIEGO, CA 921130000
Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Other

MASTER PLATING (Continued) **1000401457**

Tons: 29.49
Cat Decode: Other inorganic solid waste
Method Decode: Disposal, Other
Facility County: San Diego

envid: 1000401457
Year: 2002
GEPAID: CAD067629311
Contact: MAX AFCARI
Telephone: 6192323092
Mailing Name: Not reported
Mailing Address: 2109 NEWTON AVE
Mailing City,St,Zip: SAN DIEGO, CA 921130000
Gen County: Not reported
TSD EPA ID: AZD980892731
TSD County: Not reported
Waste Category: Off-specification, aged or surplus inorganics
Disposal Method: Not reported
Tons: 0.12
Cat Decode: Off-specification, aged or surplus inorganics
Method Decode: Not reported
Facility County: San Diego

envid: 1000401457
Year: 2002
GEPAID: CAD067629311
Contact: MAX AFCARI
Telephone: 6192323092
Mailing Name: Not reported
Mailing Address: 2109 NEWTON AVE
Mailing City,St,Zip: SAN DIEGO, CA 921130000
Gen County: Not reported
TSD EPA ID: AZD980892731
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Not reported
Tons: 0.37
Cat Decode: Other organic solids
Method Decode: Not reported
Facility County: San Diego

envid: 1000401457
Year: 2002
GEPAID: CAD067629311
Contact: MAX AFCARI
Telephone: 6192323092
Mailing Name: Not reported
Mailing Address: 2109 NEWTON AVE
Mailing City,St,Zip: SAN DIEGO, CA 921130000
Gen County: Not reported
TSD EPA ID: AZD980892731
TSD County: Not reported
Waste Category: Paint sludge
Disposal Method: Not reported
Tons: 0.1
Cat Decode: Paint sludge
Method Decode: Not reported

MASTER PLATING (Continued) **1000401457**

Facility County:	San Diego
envid:	1000401457
Year:	2002
GEPAID:	CAD067629311
Contact:	MAX AFCARI
Telephone:	6192323092
Mailing Name:	Not reported
Mailing Address:	2109 NEWTON AVE
Mailing City,St,Zip:	SAN DIEGO, CA 921130000
Gen County:	Not reported
TSD EPA ID:	CAD097030993
TSD County:	Not reported
Waste Category:	Liquids with cyanides >= 1,000 Mg./L
Disposal Method:	Transfer Station
Tons:	1.6
Cat Decode:	Liquids with cyanides >= 1,000 Mg./L
Method Decode:	Transfer Station
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
25 additional CA_HAZNET: record(s) in the EDR Site Report.

AE160 **CLEANING DYNAMICS** **CA ENVIROSTOR** **S100232926**
ESE **2190 MAIN** **CA LUST** **N/A**
1/2-1 **SAN DIEGO, CA 92113** **CA HAZNET**
0.606 mi. **CA HIST CORTESE**
3198 ft. **Site 3 of 4 in cluster AE**

Relative:
Higher

Actual:
47 ft.

ENVIROSTOR:

Facility ID:	37420008
Status:	Refer: RCRA
Status Date:	08/21/1995
Site Code:	600268
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	80
Senate:	40
Special Program:	* CERC2
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	32.69619
Longitude:	-117.1419
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* HALOGENATED ORGANIC COMPOUNDS * HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS * Metals - Sludge * OIL/WATER SEPARATION SLUDGE * CONTAMINATED SOIL * Sludge - Sewage * TANK BOTTOM WASTES * UNSPECIFIED ACID SOLUTION * UNSPECIFIED OIL CONTAINING WASTE * UNSPECIFIED SOLVENT MIXTURES * WASTE OIL & MIXED OIL * AQUEOUS

CLEANING DYNAMICS (Continued) **S100232926**

SOLUTION 2<PH<12.5, WITH REACTIVE ANIONS Lead Cadmium and compounds
Chromium VI Nickel
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD095894556
Alias Type: EPA Identification Number
Alias Name: 600268
Alias Type: Project Code (Site Code)
Alias Name: 37420008
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/20/1983
Comments: FACILITY IDENTIFIED VIA S.D. METRO. INDUSTRIAL WASTE DIV.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/27/1994
Comments: Site Closure Plan approved on 09/17/1991, undergoing closure oversight. Facility will submit workplan for arsenic contamination removal and HRA in 94/95. According to AWP, closure to be completed in 94/95 FY. Staff recommends NFA for Site Mitigation Branch.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 09/19/1988
Comments: E&E REVIEW OF DHS PA RECOMMENDS NFA FOR EPA DUE TO NO GROUNDWATER TARGETS. DTSC STATUS NEEDS TO BE DETERMINED.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/23/1988
Comments: SITE SCREENING DONE DHS RECOMMENDATION: PENDING STATUS THE FACILITY IS CURRENTLY REGULATED BY STATE DHS AS A HAZ WASTE TSD FACILITY AND SHOULD CONTINUE ROUTINE TSD INSPECT. CONTINUED ENFORCEMENT BY THE SURVEILL - AND ENFORCEMENT UNIT IS RECOMMENDED.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 03/01/1988
Comments: PRELIM ASSESS DONE SI MED RECOMMENDED TO CHECK FOR THE EVIDENCE OF CONTAMINATION

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 09/26/1986
Comments: SITE SCREENING DONE RATIONALE FOR PA: OBVIOUS SIGNS OF HAZ WASTE SPILLAGE; EXTENT OF CONTAM REQ.

Future Area Name: Not reported

CLEANING DYNAMICS (Continued) **S100232926**

Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

LUST:

Region:	STATE
Global Id:	T0607300187
Latitude:	32.6961548512614
Longitude:	-117.141962349415
Case Type:	LUST Cleanup Site
Status:	Open - Verification Monitoring
Status Date:	07/22/2015
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	LA
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT132
LOC Case Number:	H01225-001
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Site History:	The site was operated as a gasoline service station between 1946 and 1968. Between 1968 and 1978 several tenants occupied the site including UPS, a dairy business, and an automobile repair trade school. From 1978 to 1985 a marine industrial tank cleaning operation occupied the site which included chemical storage areas, an oil/water separator, a paint booth and a truck washing area. Pacific Treatment occupied the site until 1992 storing and treating hazardous waste. In 1986, two 10,000 gallon and two 4,000 gallon underground storage tanks (USTs) were removed from the site. The USTs were reported installed in 1946 and an apparent release was observed during the UST removal activities. Numerous borings and monitoring wells were installed at the site over the next 20 or so years in attempts to delineate hydrocarbon-impacted soil and groundwater related to the USTs and in an effort to close the Department of Toxic Substances Control (DTSC) case related to past waste treatment activities. An additional 550 gallon waste oil UST was discovered during this work in the northern portion of the site. DTSC granted conditional site closure for the waste treatment portion of the case, but work remained on the fuel UST portion of the site. Site closure was requested on several occasions, citing a stable and degrading LPH plume and that LPH had been removed to the extent practicable by hand bailing. As noted by DEH, excessive amounts of LPH existed at the site, historically over four feet has been observed. Until significant effort has been made to remove LPH, DEH will not consider this site for closure.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607300187
Contact Type:	Local Agency Caseworker
Contact Name:	LAURIE APECECHEA

CLEANING DYNAMICS (Continued) **S100232926**

Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: laurie.apececheа@sdcounty.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0607300187
Status: Open - Case Begin Date
Status Date: 05/30/1986

Global Id: T0607300187
Status: Open - Remediation
Status Date: 09/27/1995

Global Id: T0607300187
Status: Open - Verification Monitoring
Status Date: 07/22/2015

Regulatory Activities:
Global Id: T0607300187
Action Type: RESPONSE
Date: 07/14/2011
Action: Pilot Study/ Treatability Report - Regulator Responded

Global Id: T0607300187
Action Type: RESPONSE
Date: 11/01/2011
Action: Clean Up Fund - 5-Year Review Summary - Regulator Responded

Global Id: T0607300187
Action Type: RESPONSE
Date: 12/05/2011
Action: Interim Remedial Action Plan - Regulator Responded

Global Id: T0607300187
Action Type: RESPONSE
Date: 06/15/2012
Action: Well Installation Report - Regulator Responded

Global Id: T0607300187
Action Type: RESPONSE
Date: 04/09/2013
Action: Pilot Study / Treatability Workplan - Regulator Responded

Global Id: T0607300187
Action Type: RESPONSE
Date: 10/04/2013
Action: Remedial Progress Report - Regulator Responded

Global Id: T0607300187
Action Type: RESPONSE
Date: 12/17/2013
Action: Other Workplan - Regulator Responded

Global Id: T0607300187

CLEANING DYNAMICS (Continued) **S100232926**

Action Type: RESPONSE
Date: 03/26/2015
Action: Remedial Progress Report - Regulator Responded

Global Id: T0607300187
Action Type: RESPONSE
Date: 08/07/2014
Action: Pilot Study/ Treatability Report - Regulator Responded

Global Id: T0607300187
Action Type: RESPONSE
Date: 02/05/2014
Action: Fact Sheets - Public Participation - Regulator Responded

Global Id: T0607300187
Action Type: RESPONSE
Date: 03/28/2016
Action: Correspondence - Regulator Responded

Global Id: T0607300187
Action Type: RESPONSE
Date: 11/08/2015
Action: Remedial Progress Report - Regulator Responded

Global Id: T0607300187
Action Type: RESPONSE
Date: 08/02/2010
Action: Pilot Study / Treatability Workplan

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 02/05/2013
Action: Meeting

Global Id: T0607300187
Action Type: RESPONSE
Date: 03/06/2016
Action: Fact Sheets - Public Participation

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 03/30/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: REMEDIATION
Date: 06/30/2009
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 11/25/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 11/27/2013

CLEANING DYNAMICS (Continued) **S100232926**

Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: RESPONSE
Date: 12/30/2009
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 04/21/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: RESPONSE
Date: 02/19/2016
Action: Fact Sheets - Public Participation

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 03/12/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: Other
Date: 05/30/1986
Action: Leak Stopped

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 05/19/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 02/07/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 08/08/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 04/21/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: RESPONSE
Date: 09/18/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 01/11/2010
Action: File review

CLEANING DYNAMICS (Continued) **S100232926**

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 08/28/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607300187
Action Type: Other
Date: 05/30/1986
Action: Leak Began

Global Id: T0607300187
Action Type: REMEDIATION
Date: 02/02/2011
Action: Free Product Removal

Global Id: T0607300187
Action Type: REMEDIATION
Date: 11/19/2004
Action: Free Product Removal

Global Id: T0607300187
Action Type: RESPONSE
Date: 07/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 05/08/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: RESPONSE
Date: 04/24/2013
Action: Monitoring Report - Quarterly

Global Id: T0607300187
Action Type: RESPONSE
Date: 08/14/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0607300187
Action Type: RESPONSE
Date: 09/01/2009
Action: Pilot Study/ Treatability Report

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

Global Id: T0607300187
Action Type: ENFORCEMENT

CLEANING DYNAMICS (Continued) **S100232926**

Date: 11/06/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 11/06/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 08/16/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: RESPONSE
Date: 01/18/2012
Action: Monitoring Report - Quarterly

Global Id: T0607300187
Action Type: RESPONSE
Date: 07/20/2015
Action: Remedial Progress Report

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 09/01/1993
Action: Notice of Responsibility

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 10/22/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 10/10/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 09/10/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: ENFORCEMENT
Date: 05/27/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300187
Action Type: Other
Date: 05/30/1986
Action: Leak Discovery

Global Id: T0607300187
Action Type: RESPONSE
Date: 10/28/2013
Action: Monitoring Report - Quarterly

CLEANING DYNAMICS (Continued) **S100232926**

Global Id: T0607300187
Action Type: Other
Date: 05/30/1986
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Remedial action (cleanup) Underway
Case Number: 9UT132
Local Case: H01225-001
Substance: Diesel
Qty Leaked: 55
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 05/30/1986
Date Stopped: 05/30/1986
Confirm Date: 05/30/1986
Submit Workplan: Not reported
Prelim Assess: 08/31/1993
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 1/23/87
Began Monitor: Not reported
Release Date: 05/30/1986
Enforce Date: 9/1/93
Closed Date: Not reported
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 908.22
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HAZNET:
envid: S100232926
Year: 2013
GEPAID: CAC002738688
Contact: SCOTT LUTZ
Telephone: 9516967217
Mailing Name: Not reported
Mailing Address: 25108 JEFFERSON AVE STE A
Mailing City,St,Zip: MURRIETA, CA 925628993
Gen County: San Diego
TSD EPA ID: CAD028409019

CLEANING DYNAMICS (Continued) **S100232926**

TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 0.42
Cat Decode: Not reported
Method Decode: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Facility County: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT132

AE161 **PACIFIC TREATMENT CORP** **SEMS-ARCHIVE** **1000249933**
ESE **2190 MAIN ST** **CORRACTS** **CAD095894556**
1/2-1 **SAN DIEGO, CA 92113** **RCRA-TSDF**
0.606 mi. **RCRA-SQG**
3198 ft. **Site 4 of 4 in cluster AE** **FINDS**
ECHO

Relative:
Higher

Actual:
47 ft.

SEMS-ARCHIVE:
Site ID: 900179
EPA ID: CAD095894556
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0900179
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13288092.00000
Person ID: 13003854.00000

Contact Sequence ID: 13293687.00000
Person ID: 13003858.00000

Contact Sequence ID: 13299545.00000
Person ID: 13004003.00000

Program Priority:
Description: RCRA Deferral Audit

Description: RCRA Deferral - Lead Confirmed

Description: RCRA Deferral - Further Superfund Assessment

CERCLIS-NFRAP Assessment History:
Action: RESOURCE CONSERVATION AND RECOVERY ACT FACILITY ASSESSMENT
Date Started: / /

PACIFIC TREATMENT CORP (Continued) **1000249933**

Date Completed: 08/01/88
Priority Level: Not reported

Action: SITE INSPECTION
Date Started: / /
Date Completed: 08/01/88
Priority Level: Deferred to RCRA (Subtitle C)

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 07/01/88
Priority Level: Deferred to RCRA (Subtitle C)

Action: DISCOVERY
Date Started: / /
Date Completed: 03/01/88
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 01/23/96
Priority Level: Not reported

CORRACTS:

EPA ID: CAD095894556
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19880801
Action: CA049SI
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD095894556
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19900101
Action: CA029ST
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD095894556
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19880701
Action: CA049PA
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD095894556
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19880701

PACIFIC TREATMENT CORP (Continued) **1000249933**

Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD095894556
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19880701
Action: CA029ST
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD095894556
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920817
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD095894556
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920817
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD095894556
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19880728
Action: CA050RF - RFA Completed, Assessment was an RFA
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD095894556
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA03193
NAICS Code(s): Not reported
Original schedule date: 19931001

PACIFIC TREATMENT CORP (Continued) **1000249933**

Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 09/01/1996
Facility name: PACIFIC TREATMENT CORP
Facility address: 2190 MAIN ST
SAN DIEGO, CA 92113
EPA ID: CAD095894556
Mailing address: PO BOX 13626
SAN DIEGO, CA 92113
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:
Owner/operator name: PACIFIC TREATMENT CORP
Owner/operator address: PO BOX 13626
SAN DIEGO, CA 92113
Owner/operator country: Not reported
Owner/operator telephone: (619) 233-0424
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: PACIFIC TREATMENT CORP
Owner/operator address: PO BOX 13626
SAN DIEGO, CA 92113
Owner/operator country: Not reported
Owner/operator telephone: (619) 233-0424
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No

PACIFIC TREATMENT CORP (Continued) **1000249933**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/31/1992
Site name: PACIFIC TREATMENT CORP. #1
Classification: Small Quantity Generator

Date form received by agency: 07/03/1990
Site name: PACIFIC TREATMENT CORP
Classification: Large Quantity Generator

Date form received by agency: 02/24/1982
Site name: PACIFIC TREATMENT CORP
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 07/01/1988
Event: CA029ST

Event date: 07/01/1988
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 07/01/1988
Event: CA049PA

Event date: 07/28/1988
Event: RFA Completed, Assessment was an RFA.

Event date: 08/01/1988
Event: CA049SI

Event date: 01/01/1990
Event: CA029ST

Event date: 08/17/1992
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 08/17/1992
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event date: Not reported
Event: CA03193

Facility Has Received Notices of Violations:
Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements

PACIFIC TREATMENT CORP (Continued) **1000249933**

Date violation determined: 11/23/1994
Date achieved compliance: 11/23/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/23/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 10/24/1990
Date achieved compliance: 02/07/1991
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/06/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 41500
Paid penalty amount: 41500

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 10/24/1990
Date achieved compliance: 02/07/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/06/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 04/11/1990
Date achieved compliance: 07/23/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/23/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 03/12/1990

PACIFIC TREATMENT CORP (Continued) **1000249933**

Date achieved compliance: 04/11/1990
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 10/31/1989
Date achieved compliance: 07/23/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/30/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 03/29/1989
Date achieved compliance: 03/31/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/22/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 03/22/1989
Date achieved compliance: 03/31/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/08/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 03/22/1989
Date achieved compliance: 03/31/1989

PACIFIC TREATMENT CORP (Continued) **1000249933**

Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 08/01/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/22/1989
Date achieved compliance: 03/31/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/08/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/22/1989
Date achieved compliance: 03/31/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 08/01/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 55150
Final penalty amount: 55150
Paid penalty amount: 55150

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 03/22/1989
Date achieved compliance: 03/31/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 08/01/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 03/22/1989
Date achieved compliance: 03/31/1989
Violation lead agency: State

PACIFIC TREATMENT CORP (Continued) **1000249933**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/08/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/22/1989
Date achieved compliance: 03/31/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 08/01/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 03/22/1989
Date achieved compliance: 03/31/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/22/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 04/08/1988
Date achieved compliance: 11/29/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/08/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 08/06/1987
Date achieved compliance: 10/11/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

PACIFIC TREATMENT CORP (Continued) **1000249933**

Enforcement action date: 09/02/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 01/14/1987
Date achieved compliance: 03/19/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/14/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 01/14/1987
Date achieved compliance: 08/06/1987
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 10/12/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/23/1994
Evaluation lead agency: State

Evaluation date: 11/25/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/24/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/07/1991
Evaluation lead agency: State

Evaluation date: 10/02/1990
Evaluation: FINANCIAL RECORD REVIEW

PACIFIC TREATMENT CORP (Continued) **1000249933**

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/11/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 07/23/1990
Evaluation lead agency: State

Evaluation date: 03/13/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/12/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/11/1990
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 10/31/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 07/23/1990
Evaluation lead agency: State

Evaluation date: 06/18/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/29/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/22/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - General
Date achieved compliance: 03/31/1989
Evaluation lead agency: State

Evaluation date: 03/22/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: LDR - General
Date achieved compliance: 03/31/1989
Evaluation lead agency: State

Evaluation date: 03/22/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

PACIFIC TREATMENT CORP (Continued) **1000249933**

Evaluation date: 03/22/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 03/31/1989
Evaluation lead agency: State

Evaluation date: 12/20/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 04/13/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/08/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/29/1988
Evaluation lead agency: State

Evaluation date: 04/08/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/21/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/06/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/06/1987
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - General
Date achieved compliance: 10/11/1987
Evaluation lead agency: State

Evaluation date: 01/14/1987
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - General
Date achieved compliance: 08/06/1987
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 01/14/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General

PACIFIC TREATMENT CORP (Continued) **1000249933**

Date achieved compliance: 03/19/1987
Evaluation lead agency: State

FINDS:

Registry ID: 110002664830

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

ECHO:
Envid: 1000249933
Registry ID: 110002664830
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002664830

162
NNW
1/2-1
0.644 mi.
3398 ft.

CROWN BAY **CA ENVIROSTOR** **S106893842**
4TH & K **N/A**
SAN DIEGO, CA 92101

Relative:
Higher

Actual:
21 ft.

ENVIROSTOR:
Facility ID: 37150007
Status: Refer: 1248 Local Agency
Status Date: 02/01/2000
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: SAN DIEGO COUNTY
Lead Agency: SAN DIEGO COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 79
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 37150007
Alias Type: Envirostor ID Number

CROWN BAY (Continued) **S106893842**

Completed Info:
- Completed Area Name: PROJECT WIDE
- Completed Sub Area Name: Not reported
- Completed Document Type: SB 1248 Notification
- Completed Date: 02/01/2000
- Comments: DTSC is not involved with this project.

- Future Area Name: Not reported
- Future Sub Area Name: Not reported
- Future Document Type: Not reported
- Future Due Date: Not reported
- Schedule Area Name: Not reported
- Schedule Sub Area Name: Not reported
- Schedule Document Type: Not reported
- Schedule Due Date: Not reported
- Schedule Revised Date: Not reported

AF163 **DIAMOND TERRACE** **CA ENVIROSTOR** **S106893817**
North **427 9TH AVE.** **N/A**
1/2-1 **SAN DIEGO, CA 92101**
0.663 mi.
3502 ft. **Site 1 of 2 in cluster AF**

Relative:
Higher

Actual:
43 ft.

ENVIROSTOR:
- Facility ID: 37000058
- Status: Refer: 1248 Local Agency
- Status Date: 02/25/2000
- Site Code: Not reported
- Site Type: Evaluation
- Site Type Detailed: Evaluation
- Acres: 1
- NPL: NO
- Regulatory Agencies: SAN DIEGO COUNTY
- Lead Agency: SAN DIEGO COUNTY
- Program Manager: Not reported
- Supervisor: Referred - Not Assigned
- Division Branch: Cleanup Cypress
- Assembly: 78
- Senate: 39
- Special Program: Not reported
- Restricted Use: NO
- Site Mgmt Req: NONE SPECIFIED
- Funding: Not Applicable
- Latitude: 32.70978
- Longitude: -117.1561
- APN: 53512604, 53512605, 53512606, 53512607
- Past Use: NONE SPECIFIED
- Potential COC: NONE SPECIFIED
- Confirmed COC: NONE SPECIFIED
- Potential Description: NONE SPECIFIED
- Alias Name: 53512604
- Alias Type: APN
- Alias Name: 53512605
- Alias Type: APN
- Alias Name: 53512606
- Alias Type: APN
- Alias Name: 53512607

DIAMOND TERRACE (Continued) **S106893817**

Alias Type: APN
Alias Name: 37000058
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 02/25/2000
Comments: DTSC is not involved with this project.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AF164 **CONTINENTAL CLEANERS** **CA ENVIROSTOR** **S105539550**
North **450 10TH AV** **CA SAN DIEGO CO. SAM** **N/A**
1/2-1 **SAN DIEGO, CA 92101** **CA SLIC**
0.670 mi. **CA San Diego Co. HMMD**
3536 ft. **Site 2 of 2 in cluster AF** **CA EMI**

Relative: Higher

Actual: 44 ft.

ENVIROSTOR:
Facility ID: 37720028
Status: Refer: 1248 Local Agency
Status Date: 02/21/2001
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 78
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 32.71012
Longitude: -117.1558
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: T0608161312
Alias Type: GeoTracker Global ID
Alias Name: 37720028
Alias Type: Envirostor ID Number

CONTINENTAL CLEANERS (Continued) **S105539550**

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 02/21/2001
Comments: SB 1248 San Diego County

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SAN DIEGO CO. SAM:
Case Number: H11621-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 11/19/2003
Date Began: 8/19/1999

Case Number: H11621-002
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 2/7/2007
Date Began: 8/19/1999

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 11/19/2003
Global Id: T0608161312
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H11621-001
Latitude: 32.710127
Longitude: -117.15585
Case Type: Cleanup Program Site
Case Worker: JS
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: * Chlorinated Hydrocarbons
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Completed - Case Closed**

CONTINENTAL CLEANERS (Continued) **S105539550**

Status Date:	02/07/2007
Global Id:	SLT19724225
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H11621-002
Latitude:	32.710128
Longitude:	-117.155851
Case Type:	Cleanup Program Site
Case Worker:	JS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	* Chlorinated Hydrocarbons
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	111621
Business Type:	6HK53
EPA Id Number:	CAD981584188
APN:	535-126-12-00
Last HMMD Inspection:	05/13/2004
Permit Status:	INAC
Permit Expiration:	02/28/2006
Facility Owner:	CONWAY FAMILY TRUST
Facility Address:	450 10TH AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	111621
Update Date:	11/02/2012
Inspection Date:	05/13/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	Inactive Permit

EMI:

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	6245
Air District Name:	SD
SIC Code:	7216

CONTINENTAL CLEANERS (Continued) **S105539550**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	6245
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	6245
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	6245
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0

CONTINENTAL CLEANERS (Continued) **S105539550**

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2003
County Code: 37
Air Basin: SD
Facility ID: 6245
Air District Name: SD
SIC Code: 7216
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2004
County Code: 37
Air Basin: SD
Facility ID: 6245
Air District Name: SD
SIC Code: 7216
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.0395
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2005
County Code: 37
Air Basin: SD
Facility ID: 6245
Air District Name: SD
SIC Code: 7216
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2006

CONTINENTAL CLEANERS (Continued) **S105539550**

County Code:	37
Air Basin:	SD
Facility ID:	6245
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.09
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	6245
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.09
Reactive Organic Gases Tons/Yr:	.761474
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	6245
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.09
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	6245
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD

CONTINENTAL CLEANERS (Continued) **S105539550**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.0900000000000001
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	6245
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.0900000000000001
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

165
ESE
1/2-1
0.672 mi.
3549 ft.

CHEVRON HARBOR TERMINAL-LOWER TANK FARM **CA ENVIROSTOR** **S100219208**
2295 BELT STREET **CA CHMIRS** **N/A**
SAN DIEGO, CA 92113

Relative:
Higher

Actual:
22 ft.

ENVIROSTOR:

Facility ID:	37290007
Status:	Refer: 1248 Local Agency
Status Date:	09/13/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	80
Senate:	40
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	32.69214
Longitude:	-117.1427
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED

CHEVRON HARBOR TERMINAL-LOWER TANK FARM (Continued) **S100219208**

Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 37290007
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CHMIRS:

OES Incident Number:	000121
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**11-FEB-90**
Property Use:	767
Agency Id Number:	37140
Agency Incident Number:	040828
Time Notified:	850
Time Completed:	1320
Surrounding Area:	800
Estimated Temperature:	75
Property Management:	P
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	CHEVRON
Reporting Officer Name/ID:	SAMUEL E. CAMPBELL
Report Date:	11-FEB-90
Facility Telephone:	619 236-7773
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported

CHEVRON HARBOR TERMINAL-LOWER TANK FARM (Continued) **S100219208**

What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	11-FEB-90
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	29-MAY-90
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Not reported

166
NNW
1/2-1
0.735 mi.
3880 ft.

FISCHER PARCEL
304 J STREET
SAN DIEGO, CA 92101

CA ENVIROSTOR **S104750706**
CA SAN DIEGO CO. SAM **N/A**
CA SLIC
CA San Diego Co. HMMD

Relative:
Higher

Actual:
22 ft.

ENVIROSTOR:

Facility ID:	37000059
Status:	Refer: 1248 Local Agency
Status Date:	03/06/2000
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	SAN DIEGO COUNTY
Lead Agency:	SAN DIEGO COUNTY
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	78
Senate:	39
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable

FISCHER PARCEL (Continued) **S104750706**

Latitude: 32.70936
Longitude: -117.1618
APN: 5350860500
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 5350860500
Alias Type: APN
Alias Name: 37000059
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 03/06/2000
Comments: DTSC is not involved with this project.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SAN DIEGO CO. SAM:
Case Number: H25268-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 6/20/2000
Date Began: 10/24/1990

Case Number: H25268-002
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 6/20/2000
Date Began: 3/1/2000

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 06/20/2000
Global Id: T0608174039
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H25268-002
Latitude: 32.709615
Longitude: -117.161476
Case Type: Cleanup Program Site
Case Worker: Not reported

FISCHER PARCEL (Continued) **S104750706**

Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	* Chlorinated Hydrocarbons
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/20/2000
Global Id:	T0608144453
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H25268-001
Latitude:	32.709615
Longitude:	-117.161476
Case Type:	Cleanup Program Site
Case Worker:	KH
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	125268
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	535-086-05-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	NEIL SENTRIA PROPERTY
Facility Address:	304 J ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101-6927
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 125268 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	125268
Tank Type:	SINGLE WALL
Additional Id:	AT4721
Capacity Gallons:	250
UST Contents:	DIESEL

FISCHER PARCEL (Continued) **S104750706**

Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	2001-11-10 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

167
NNW
1/2-1
0.761 mi.
4019 ft.

PACIFIC AIRMOTIVE **CA ENVIROSTOR** **1000250543**
544 7TH AVENUE **N/A**
SAN DIEGO, CA 92101

Relative:
Higher

Actual:
39 ft.

ENVIROSTOR:

Facility ID:	37370118
Status:	Refer: Other Agency
Status Date:	08/21/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	78
Senate:	39
Special Program:	* RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	32.71083
Longitude:	-117.1583
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* UNSPECIFIED SOLVENT MIXTURES
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	SUBSIDIARY OF PUREX CORP
Alias Type:	Alternate Name
Alias Name:	CAD980636666
Alias Type:	EPA Identification Number
Alias Name:	37370118
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	10/12/1983
Comments:	FACILITY IDENTIFIED ID FROM ERRIS
Completed Area Name:	PROJECT WIDE

PACIFIC AIRMOTIVE (Continued) **1000250543**

Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/22/1983
Comments: FACILITY IDENTIFIED ID VIA EPA PRINTOUT

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/27/1994
Comments: CALSITES VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 02/22/1984
Comments: SOURCE ACT: AIRCRAFT SERVING BUSINESS. SOLVENT CLEANING ON SITE. SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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168 **SDUSD - MAINTENANCE** **CA ENVIROSTOR** **S106059787**
ENE **1826 IRVING AV** **CA LUST** **N/A**
1/2-1 **SAN DIEGO, CA 92113** **CA SAN DIEGO CO. SAM**
0.771 mi. **CA SLIC**
4069 ft. **CA San Diego Co. HMMD**

Relative:
Higher

Actual:
63 ft.

ENVIROSTOR:
Facility ID: 60000197
Status: Refer: RWQCB
Status Date: 12/04/2005
Site Code: 401264
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 3.45
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Safouh Sayed
Supervisor: Emad Yemut
Division Branch: Cleanup Cypress
Assembly: 80
Senate: 40
Special Program: EPA - Target Site Investigation
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 32.70488
Longitude: -117.1434
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, TRANSPORTATION - WAREHOUSING

SDUSD - MAINTENANCE (Continued) **S106059787**

Potential COC: Benzene TPH-gas Toluene Xylenes Benzene Toluene Xylenes Asbestos Containing Materials (ACM
Confirmed COC: Toluene TPH-gas Benzene Xylenes Toluene Benzene Xylenes Asbestos Containing Materials (ACM
Potential Description: OTH, OTH, SOIL, SV
Alias Name: 401264
Alias Type: Project Code (Site Code)
Alias Name: 60000197
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Region: STATE
Global Id: T0607302301
Latitude: 32.7049168911357
Longitude: -117.142418324947
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/05/2011
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: TS
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT3532
LOC Case Number: H01530-003
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: This case was originally opened after gasoline hydrocarbons were detected in soil samples collected during the removal of two underground storage tanks (UST) in August 1997. In 1998, the case was expanded to include an earlier release case H01530-002 from a UST that was removed in October of 1989, and case H01530-002 was administratively closed. A monitoring well (MW1) was installed in the former tank pit in 2002. Less than one-tenth of a foot of free product has been intermittently detected in this well since it was installed, and subsequently removed by bailing. Three additional wells were installed in 2008 and several soil borings have been drilled at the site. Free product has not been detected in any other wells. The soil borings indicated that the free product is limited in extent. The depth to groundwater is approximately 44 feet below ground surface. The concentrations of dissolved phase gasoline

SDUSD - MAINTENANCE (Continued) **S106059787**

constituents outside of the tank pit area have generally been below the maximum contaminant levels with the exception of benzene. In March 2009, benzene was detected in groundwater at 1.05 ug/l in well MW3. The groundwater is designated as non-beneficial use. The nearest surface water body is San Diego Bay, which is greater than 4000 feet away from the site. A Corrective Action Plan was prepared for the site in which the consultant proposed natural attenuation for remediation of the free product. The consultant estimated that 1,667 cubic yards of contaminated soil are present at the site to a depth of approximately 50 feet below ground surface, covering a surface area of approximately 900 square feet. The consultant stated that the contaminated soil does not pose a threat to utilities that are buried at shallow depths (less than 20 feet). A soil vapor survey was conducted that indicated that the soil did not pose an excess cancer risk for vapor intrusion onsite or to neighboring residential properties. The consultant concluded that the free product was limited in extent, had been removed to the extent practical, and did not pose a threat to either human health, safety or the environment. The consultant requested no further action for the site and DEH concurred.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607302301
Contact Type:	Local Agency Caseworker
Contact Name:	TERESA SHERMAN
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	teresa.sherman@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607302301
Status:	Completed - Case Closed
Status Date:	07/05/2011
Global Id:	T0607302301
Status:	Open - Case Begin Date
Status Date:	08/15/1997
Global Id:	T0607302301
Status:	Open - Site Assessment
Status Date:	08/28/1997
Global Id:	T0607302301
Status:	Open - Site Assessment
Status Date:	11/19/2009

Regulatory Activities:

Global Id:	T0607302301
Action Type:	ENFORCEMENT
Date:	07/05/2011
Action:	Closure/No Further Action Letter
Global Id:	T0607302301

SDUSD - MAINTENANCE (Continued) **S106059787**

Action Type: ENFORCEMENT
Date: 10/06/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302301
Action Type: ENFORCEMENT
Date: 08/25/2008
Action: Technical Correspondence / Assistance / Other - #H01530-003-808SARR

Global Id: T0607302301
Action Type: ENFORCEMENT
Date: 07/13/2009
Action: Letter - Notice

Global Id: T0607302301
Action Type: ENFORCEMENT
Date: 08/15/2003
Action: Notice of Violation

Global Id: T0607302301
Action Type: ENFORCEMENT
Date: 07/22/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302301
Action Type: ENFORCEMENT
Date: 04/16/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302301
Action Type: Other
Date: 08/15/1997
Action: Leak Stopped

Global Id: T0607302301
Action Type: Other
Date: 08/15/1997
Action: Leak Began

Global Id: T0607302301
Action Type: ENFORCEMENT
Date: 11/19/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302301
Action Type: RESPONSE
Date: 06/05/2010
Action: CAP/RAP - Feasibility Study Report

Global Id: T0607302301
Action Type: ENFORCEMENT
Date: 09/04/1997
Action: Notice of Responsibility

Global Id: T0607302301
Action Type: Other
Date: 08/15/1997

SDUSD - MAINTENANCE (Continued) **S106059787**

Action: Leak Discovery

Global Id: T0607302301
Action Type: Other
Date: 08/26/1997
Action: Leak Reported

Region: STATE
Global Id: T0607302739
Latitude: 32.7049468
Longitude: -117.1433315
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/28/2008
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: TS
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT432
LOC Case Number: H01530-002
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0607302739
Contact Type: Local Agency Caseworker
Contact Name: TERESA SHERMAN
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: teresa.sherman@sdcounty.ca.gov
Phone Number: Not reported

Global Id: T0607302739
Contact Type: Regional Board Caseworker
Contact Name: SUE J. PEASE
Organization Name: SAN DIEGO RWQCB (REGION 9)
Address: 2375 NORTHSIDE DRIVE, SUITE 100
City: SAN DIEGO
Email: sue.pease@waterboards.ca.gov
Phone Number: 6195215895

Status History:
Global Id: T0607302739
Status: Completed - Case Closed
Status Date: 04/28/2008

Global Id: T0607302739
Status: Open - Case Begin Date
Status Date: 03/28/1989

Regulatory Activities:
Global Id: T0607302739

SDUSD - MAINTENANCE (Continued) **S106059787**

Action Type: Other
Date: 08/11/1989
Action: Leak Stopped

Global Id: T0607302739
Action Type: Other
Date: 03/28/1989
Action: Leak Began

Global Id: T0607302739
Action Type: ENFORCEMENT
Date: 03/28/1989
Action: Notice of Responsibility

Global Id: T0607302739
Action Type: Other
Date: 03/28/1989
Action: Leak Discovery

Global Id: T0607302739
Action Type: Other
Date: 03/28/1989
Action: Leak Reported

SAN DIEGO CO. SAM:
Case Number: H01530-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 4/5/1988
Date Began: 8/14/1986

Case Number: H01530-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 4/28/2008
Date Began: 3/28/1989

Case Number: H01530-003
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Preliminary Assessment
Date: 8/27/1997
Date Began: 8/15/1997

Case Number: H01530-004
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: OX
Facility Status: Preliminary Assessment
Date: 10/1/2008
Date Began: 10/1/2008

SDUSD - MAINTENANCE (Continued) **S106059787**

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/05/1988
Global Id:	T0608149012
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H01530-001
Latitude:	32.7048601
Longitude:	-117.143253
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/14/2015
Global Id:	T10000000450
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H01530-004
Latitude:	32.7046783583488
Longitude:	-117.143099944614
Case Type:	Cleanup Program Site
Case Worker:	TS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Not reported
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Lead, Diesel, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Voluntary Assistance Program (VAP) case #H01530-004 was opened for regulatory oversight of the redevelopment of a former school maintenance facility with known contamination. COMM22 LLC plans to redevelop the site in four phases, including Phase 1- Family Housing, Phase 2- Senior Housing, Phase 3- Residential Lofts, and Phase 4- For-Sale Housing. A Property Mitigation Plan (PMP) was approved by DEH in 2008 which details the proposed mitigation and soil management plans for redevelopment. In 2013, a PMP Addendum proposing that separate property closure reports be submitted for each of the four phases of development was approved by DEH. In April 2015, DEH approved a change in scope of this case (H01530-004) to include only the Phase 1 and Phase 2 areas in order to facilitate their closure following mitigation. The timeframes for mitigation and development of the Phase 3 and Phase 4 areas have not been determined. The Responsible Party agreed to open new VAP cases for these two areas in the future. In 2014, DEH approved the modification of the cleanup standard in the approved PMP for total lead in the landscaped areas to the revised 2009 residential California Human Health Screening Level (CHHSL) of 80 milligrams per kilogram (mg/kg). The commercial use CHHSL for total lead in soil was also revised in 2009 to 150 mg/kg. The site mitigation criteria for total petroleum hydrocarbons (TPH) in soil are 0.5 mg/kg for TPH as gasoline, 10 mg/kg for TPH as

SDUSD - MAINTENANCE (Continued) **S106059787**

diesel, and 50 mg/kg for TPH as oil (typical laboratory reporting limits). Phase 1: COMM22 Family Housing Site: The Family Housing Site was redeveloped into a mixed-use complex with multi-story retail and family housing over two levels of underground parking. Concentrations of the constituents of concern or COCs (primarily lead and TPH) were elevated in soil samples collected across the Site. The 2015 Property Closure Report for the Family Housing Site states that COC-impacted soil was mitigated by excavation and appropriate off-site disposal. Approximately 17,408 tons (11,213 cubic yards) of impacted soil was transported off site as non-hazardous waste or California hazardous waste to appropriate regulated disposal facilities. In addition, approximately 41,812 cubic yards of inert soil was exported for off-site reuse pursuant to the requirements of the San Diego Regional Water Quality Control Boards (RWQCB) Resolution No. R9-2007-0104, Conditional Waiver No. 8, Attachment A. Groundwater beneath the Site has no designated beneficial uses, and was not encountered during site mitigation and building construction. Groundwater and free product impact from an unauthorized petroleum release case was investigated under case #H01530-003, which was closed in July 2011. In July 2013, soil vapor samples were collected beneath the future parking garage. A human-health risk assessment was conducted, and based on a calculated excess cancer risk below 1.00 E-06 (one-in-one-million) and a non-cancer hazard index of less than 1.0, the consultant concluded that there were no significant human-health risks from vapors. Confirmation soil samples were collected at the final subgrade elevation within a grid pattern. Lead concentrations did not exceed the worker exposure criterion of 150 mg/kg. However, elevated lead concentrations were reported in soil samples collected outside the limits of the construction excavation envelope (CEE). Soil with elevated lead concentrations along the sidewalls of the excavation was excavated to a depth of approximately three feet, and backfilled with inert soil. In addition, soil with lead concentrations above the RWQCBs Tier 1 screening levels of 15 mg/kg but below 150 mg/kg was reused in portions of the Site below hardscaped areas. According to the Property Closure Report for the Family Housing Site, all petroleum-impacted soil encountered in the CEE was exported off-site, and the top three feet of soil in all landscapedor exposed areas on the Site contain lead concentrations which are below the residential mitigation criteria of 80 mg/kg. In addition, clean imported fill was placed in the top one foot of all landscaped areas. Phase 2: COMM 22 Senior Housing Site The Senior Housing Site was redeveloped into a mixed-use complex with multi-story childcare and senior housing over one level of underground parking. Concentrations of the constituents of concern or COCs (primarily lead and TPH) were elevated in soil samples collected across the Site. The 2015 Property Closure Report for the Site states that COC-impacted soil was mitigated by excavation and appropriate off-site disposal. Approximately 912.38 tons (588 cubic yards) of impacted soil was transported off site as non-hazardous waste or California hazardous waste to appropriate regulated disposal facilities. In addition, approximately 6,622 cubic yards of inert soil was exported for off-site reuse pursuant to the requirements of the RWQCBs Resolution No. R9-2007-0104, Conditional Waiver No. 8, Attachment A. A soil vapor survey was conducted at the Site in 2006. No volatile organic compounds were detected in the vapor samples. Confirmation soil samples were collected at the final subgrade elevation within a grid pattern to assess whether the COC-impacted

SDUSD - MAINTENANCE (Continued) **S106059787**

soil exceeded the mitigation criteria. One confirmation soil sample exceeded the residential criterion for total lead of 80 mg/kg, so three additional soil samples were collected in the same grid. Since the reported total lead concentrations in the three samples were below 80 mg/kg, the consultant concluded that further excavation of that grid area was not warranted. Elevated lead concentrations were also reported in excavation sidewall samples extending outside of the limits of the construction area. This soil was left in place because the soil is covered, is located at a depth greater than three feet, and/or contains lead concentrations below the worker exposure criteria of 150 mg/kg. In addition, the consultant states that soil with lead concentrations above the RWQCBs Tier 1 screening levels of 15 mg/kg but below 150 mg/kg was reused on site and incorporated into the cut and re-compaction zone of soil below the parking garage and building floor. The consultant concludes that the known and suspected releases of hazardous substances at the Family Housing Site and the Senior Housing Site have been assessed and mitigated; the remaining lead-impacted soil at the Site is located in areas which will prevent the general public and the future users of the Site from coming into contact with the COCs; there are no complete exposure pathways; and, subsurface conditions at the Site do not pose a risk to human health and groundwater resources at the Site. The consultant requests DEH concurrence with the assessment, mitigation, and confirmation sampling activities, and recommends no further action for the case. DEH concurs with closure of VAP Case #H01530-004, with no further action required at the COMM22 Family Housing and Senior Housing Sites. Future Phase 3 and Phase 4 mitigation and redevelopment will be handled under a separate DEH case number.

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	101530
Business Type:	6HK29
EPA Id Number:	CAD981453236
APN:	535-640-16-00
Last HMMD Inspection:	05/16/1997
Permit Status:	INAC
Permit Expiration:	09/18/1997
Facility Owner:	SD CITY SCHOOLS
Facility Address:	4100 NORMAL ST / D ADAMS
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92103-2653
UST Owner:	SAN DIEGO UNIFIED SCHOOL DIST
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 101530 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	101530
Tank Type:	SINGLE WALL

SDUSD - MAINTENANCE (Continued) **S106059787**

Additional Id:	1
Capacity Gallons:	8500
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-10-23 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 101530 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	101530
Tank Type:	SINGLE WALL WITH EXTERIOR MEMB
Additional Id:	2
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1997-08-15 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 101530 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	101530
Tank Type:	SINGLE WALL WITH EXTERIOR MEMB
Additional Id:	3
Capacity Gallons:	5000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1997-08-15 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 101530 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	101530
Tank Type:	SINGLE WALL
Additional Id:	0004
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	GASOLINE(TYPE UNKNOWN)
Reg Status:	REMOVED
Remove Close Date:	1998-02-24 00:00:00

SDUSD - MAINTENANCE (Continued) **S106059787**

Year Installed:	Not reported
Pipe Type:	UNKNOWN
Delivery System:	Not reported
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

169
NNE
1/2-1
0.780 mi.
4118 ft.

ISLAND AVE. AUTO SHOP **CA ENVIROSTOR** **S106893864**
1434-90 ISLAND AVENUE **N/A**
SAN DIEGO, CA 92101

Relative:
Higher

Actual:
43 ft.

ENVIROSTOR:

Facility ID:	37750008
Status:	Refer: 1248 Local Agency
Status Date:	02/01/2000
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	SAN DIEGO COUNTY
Lead Agency:	SAN DIEGO COUNTY
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	78
Senate:	39
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	32.71090
Longitude:	-117.1513
APN:	53515308, 53516618
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	53515308
Alias Type:	APN
Alias Name:	53516618
Alias Type:	APN
Alias Name:	37750008
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	SB 1248 Notification
Completed Date:	02/01/2000
Comments:	DTSC is not involved with this project.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported

ISLAND AVE. AUTO SHOP (Continued) **S106893864**

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

170
ESE
1/2-1
0.808 mi.
4264 ft.

BARRIO STATION INC
2320 NEWTON AV
SAN DIEGO, CA 92113

CA ENVIROSTOR **S104752316**
CA SAN DIEGO CO. SAM **N/A**
CA SLIC
CA San Diego Co. HMMD

Relative:
Higher

Actual:
53 ft.

ENVIROSTOR:
Facility ID: 37330006
Status: Refer: Other Agency
Status Date: 08/21/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 80
Senate: 40
Special Program: * CERC2
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 32.69530
Longitude: -117.1387
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 37330006
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/07/1994
Comments: CALSITES VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/28/1988
Comments: PRELIM ASSESS DONE PDS: REFERRED TO COUNTY HEALTH FOR UNDER GROUND TANK; NO HISTORY OF HAZARDOUS WASTE ACTIVITY

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

BARRIO STATION INC (Continued) **S104752316**

Completed Document Type: Site Screening
Completed Date: 02/24/1987
Comments: SITE SCREENING DONE PA RECOM BASED ON POSSIBILITY OF ILLEGAL DUMPING OF CLASS 2 OR 3 MATERIALS HERE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/18/1982
Comments: FACILITY IDENTIFIED ID VIA 50 PHONE BOOK

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SAN DIEGO CO. SAM:
Case Number: H29840-002
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 1/21/1994
Date Began: Not reported

Case Number: H29840-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 2/6/1990
Date Began: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 01/21/1994
Global Id: T0608135393
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H29840-002
Latitude: 32.695332
Longitude: -117.138694
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

BARRIO STATION INC (Continued) **S104752316**

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/06/1990
Global Id:	T0608116918
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H29840-001
Latitude:	32.695332
Longitude:	-117.138694
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	129840
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	538-742-02-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	BARRIO STATION INC
Facility Address:	2320 NEWTON AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92113-3621
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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171 East 1/2-1 0.811 mi. 4280 ft.

BURBANK ELEMENTARY EXPANSION
2146 JULIAN AVENUE
SAN DIEGO, CA 92113

CA ENVIROSTOR S102805282
CA SCH N/A

Relative: Higher

Actual: 87 ft.

ENVIROSTOR:

Facility ID:	37880002
Status:	Certified
Status Date:	10/27/2005
Site Code:	404262
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	0.76

BURBANK ELEMENTARY EXPANSION (Continued) **S102805282**

NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 80
Senate: 40
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 32.70002
Longitude: -117.1388
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Lead Lead
Confirmed COC: Lead Lead
Potential Description: SOIL
Alias Name: BURBANK ELEMENTARY EXPANSION
Alias Type: Alternate Name
Alias Name: SAN DIEGO CITY UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: SAN DIEGO CITY USD-BURBANK ELEM EXP
Alias Type: Alternate Name
Alias Name: 110021416920
Alias Type: EPA (FRS #)
Alias Name: 404262
Alias Type: Project Code (Site Code)
Alias Name: 37880002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 10/27/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/12/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/03/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 09/14/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE

BURBANK ELEMENTARY EXPANSION (Continued) **S102805282**

Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Addendum
Completed Date: 06/16/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/12/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/28/2005
Comments: RAW approved for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 06/12/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/04/2006
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 37880002
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.76
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404262
Assembly: 80
Senate: 40
Special Program Status: Not reported

BURBANK ELEMENTARY EXPANSION (Continued) **S102805282**

Status:	Certified
Status Date:	10/27/2005
Restricted Use:	NO
Funding:	School District
Latitude:	32.70002
Longitude:	-117.1388
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA
Potential COC:	Lead
Confirmed COC:	Lead, , Lead
Potential Description:	SOIL
Alias Name:	BURBANK ELEMENTARY EXPANSION
Alias Type:	Alternate Name
Alias Name:	SAN DIEGO CITY UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	SAN DIEGO CITY USD-BURBANK ELEM EXP
Alias Type:	Alternate Name
Alias Name:	110021416920
Alias Type:	EPA (FRS #)
Alias Name:	404262
Alias Type:	Project Code (Site Code)
Alias Name:	37880002
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	10/27/2005
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	06/12/2001
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	05/03/2005
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	09/14/2001
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1 Addendum
Completed Date:	06/16/2004
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report

BURBANK ELEMENTARY EXPANSION (Continued) **S102805282**

Completed Date:	10/12/2005
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	06/28/2005
Comments:	RAW approved for implementation
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Public Participation
Completed Date:	06/12/2005
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	01/04/2006
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

172
North
1/2-1
0.836 mi.
4412 ft.

INTRACORP/SLATER SITE **CA ENVIROSTOR** **S106797670**
656-668 NINTH AVENUE **N/A**
SAN DIEGO, CA 92101

Relative:
Higher

Actual:
54 ft.

ENVIROSTOR:

Facility ID:	37000015
Status:	Refer: 1248 Local Agency
Status Date:	05/05/2004
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	79
Senate:	Not reported
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	0

INTRACORP/SLATER SITE (Continued) **S106797670**

Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 37000015
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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173 **YELLOW CAB OF SAN DIEGO** **CA ENVIROSTOR** **S106893853**
North **639 13 STREET** **N/A**
1/2-1 **SAN DIEGO, CA 92101**
0.839 mi.
4429 ft.

Relative:
Higher

Actual:
63 ft.

ENVIROSTOR:
Facility ID: 37470002
Status: Refer: 1248 Local Agency
Status Date: 02/01/2000
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: SAN DIEGO COUNTY
Lead Agency: SAN DIEGO COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 78
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 32.71214
Longitude: -117.1531
APN: 535-144-03
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED

YELLOW CAB OF SAN DIEGO (Continued) **S106893853**

Potential Description: NONE SPECIFIED
Alias Name: 535-144-03
Alias Type: APN
Alias Name: 37470002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 02/01/2000
Comments: DTSC is not involved with this project.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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174 West 1/2-1 0.847 mi. 4474 ft.

CORONADO CENTER DRY CLEANER
110 'B' AVENUE
CORONADO, CA 92118

CA ENVIROSTOR **S106797731 N/A**

Relative: Higher

Actual: 17 ft.

ENVIROSTOR:
Facility ID: 37720027
Status: Refer: 1248 Local Agency
Status Date: 02/23/2004
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 79
Senate: Not reported
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 37720027
Alias Type: Envirostor ID Number

CORONADO CENTER DRY CLEANER (Continued) **S106797731**

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/06/2007
Comments: EPA approved report.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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175 North 1/2-1 0.863 mi. 4558 ft.

FOSTER WEST
1122 G ST
SAN DIEGO, CA 92101

CA ENVIROSTOR **S103990249**
CA LUST **N/A**
CA SLIC
CA HIST CORTESE

Relative: Higher

Actual: 64 ft.

ENVIROSTOR:
Facility ID: 37000063
Status: Refer: 1248 Local Agency
Status Date: 04/24/2000
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0.1
NPL: NO
Regulatory Agencies: SAN DIEGO COUNTY
Lead Agency: SAN DIEGO COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 78
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 32.71285
Longitude: -117.1542
APN: 5351331400, 5375002500
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 11 & G
Alias Type: Alternate Name
Alias Name: 5351331400
Alias Type: APN
Alias Name: 5375002500
Alias Type: APN
Alias Name: 37000063

FOSTER WEST (Continued) **S103990249**

Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 04/24/2000
Comments: DTSC is not involved with this project.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Region: STATE
Global Id: T0607302584
Latitude: 32.712636
Longitude: -117.1545416
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/12/2003
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: EM
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT3821
LOC Case Number: H00363-001
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0607302584
Contact Type: Local Agency Caseworker
Contact Name: EWAN MOFFAT
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: ewan.moffat@sdcounty.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0607302584
Status: Completed - Case Closed
Status Date: 08/12/2003

Global Id: T0607302584
Status: Open - Case Begin Date
Status Date: 12/17/1998

FOSTER WEST (Continued) **S103990249**

Regulatory Activities:

Global Id:	T0607302584
Action Type:	Other
Date:	12/17/1998
Action:	Leak Stopped
Global Id:	T0607302584
Action Type:	Other
Date:	12/17/1998
Action:	Leak Began
Global Id:	T0607302584
Action Type:	RESPONSE
Date:	07/15/1988
Action:	Other Report / Document
Global Id:	T0607302584
Action Type:	Other
Date:	12/17/1998
Action:	Leak Discovery
Global Id:	T0607302584
Action Type:	Other
Date:	12/29/1998
Action:	Leak Reported

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	07/01/2010
Global Id:	T10000002227
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H00363-003
Latitude:	32.7127014468332
Longitude:	-117.154537576687
Case Type:	Cleanup Program Site
Case Worker:	JC
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/15/2005
Global Id:	T0608144059
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H00363-002
Latitude:	32.712871
Longitude:	-117.154219
Case Type:	Cleanup Program Site

FOSTER WEST (Continued) **S103990249**

Case Worker: EM
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3821

AG176 **MIDAS MUFFLER(FORMER)** **CA ENVIROSTOR** **S106893866**
NNW **668 SIXTH AVENUE** **N/A**
1/2-1 **SAN DIEGO, CA 92101**
0.864 mi.
4562 ft. **Site 1 of 2 in cluster AG**

Relative:
Higher

Actual:
42 ft.

ENVIROSTOR:
Facility ID: 37750011
Status: Refer: 1248 Local Agency
Status Date: 04/24/2000
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: SAN DIEGO COUNTY
Lead Agency: SAN DIEGO COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 78
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 32.71217
Longitude: -117.1595
APN: 53509413
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 53509413
Alias Type: APN
Alias Name: 37750011
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification

MIDAS MUFFLER(FORMER) (Continued) **S106893866**

Completed Date:	04/24/2000
Comments:	DTSC is not involved with this project.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

AG177 **NORTH BLOCK LOFTS** **CA ENVIROSTOR** **S106086763**
NNW **735 6TH AVE.** **N/A**
1/2-1 **SAN DIEGO, CA 92101**
0.908 mi.
4792 ft. **Site 2 of 2 in cluster AG**

Relative:
Higher

Actual:
49 ft.

ENVIROSTOR:

Facility ID:	37000036
Status:	Refer: 1248 Local Agency
Status Date:	05/30/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	76
Senate:	Not reported
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	0
Longitude:	0
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	37000036
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	SB 1248 Notification
Completed Date:	05/22/2001
Comments:	SB 1248 San Diego County
Future Area Name:	Not reported
Future Sub Area Name:	Not reported

NORTH BLOCK LOFTS (Continued) **S106086763**

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

178
East
1/2-1
0.926 mi.
4889 ft.

Relative:
Higher

Actual:
63 ft.

ABC CONSTRUCTION CO INC
2665 NATIONAL AVE
SAN DIEGO, CA 92113

Database(s): RCRA-SQG, CA LUST, CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co. HMMD, CA SWEEPS UST, CA HIST UST, FINDS, CA HIST CORTESE, CA Notify 65, ECHO

EDR ID Number: 1000108586
EPA ID Number: CAD981405418

RCRA-SQG:
Date form received by agency: 05/06/1986
Facility name: ABC CONSTRUCTION CO
Facility address: 2665 NATIONAL AVENUE
SAN DIEGO, CA 92113
EPA ID: CAD981405418
Mailing address: 3120 NATIONAL AVENUE
SAN DIEGO, CA 92113
Contact: ENVIRONMENTAL MANAGER
Contact address: 2665 NATIONAL AVENUE
SAN DIEGO, CA 92113
Contact country: US
Contact telephone: (619) 239-3428
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: ABC CONSTRUCTION CO
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported

ABC CONSTRUCTION CO INC (Continued) **1000108586**

Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

LUST:
Region: STATE
Global Id: T0607300927
Latitude: 32.6955020962105
Longitude: -117.136712054102
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/07/2008
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT2158
LOC Case Number: H05600-002
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607300927
Status: Completed - Case Closed
Status Date: 05/07/2008

Global Id: T0607300927
Status: Open - Case Begin Date
Status Date: 05/18/1989

Regulatory Activities:
Global Id: T0607300927
Action Type: Other

ABC CONSTRUCTION CO INC (Continued) **1000108586**

Date: 05/24/1989
Action: Leak Stopped

Global Id: T0607300927
Action Type: Other
Date: 05/18/1989
Action: Leak Began

Global Id: T0607300927
Action Type: ENFORCEMENT
Date: 10/11/2006
Action: Notice of Responsibility

Global Id: T0607300927
Action Type: Other
Date: 05/18/1989
Action: Leak Discovery

Global Id: T0607300927
Action Type: Other
Date: 05/24/1989
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT2158
Local Case: H05600-002
Substance: Regular Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 01/13/1992
Date Stopped: 01/13/1992
Confirm Date: 05/24/1989
Submit Workplan: Not reported
Prelim Assess: 06/02/1989
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 01/13/1992
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: ~11
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported

ABC CONSTRUCTION CO INC (Continued) **1000108586**

Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Case Number: H05600-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 12/22/1988
Date Began: 10/17/1988

Case Number: H05600-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 5/7/2008
Date Began: 5/18/1989

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/22/1988
Global Id: T0608106750
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H05600-001
Latitude: 32.6955028025815
Longitude: -117.136682477977
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:
Facility Id: 105600
Business Type: 6HK70
EPA Id Number: CAD981405418
APN: DEH-105600
Last HMMD Inspection: 08/31/2011
Permit Status: OPEN
Permit Expiration: 08/31/2013
Facility Owner: PATTY MAXWELL
Facility Address: 3120 NATIONAL AV
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92113-2544

ABC CONSTRUCTION CO INC (Continued) **1000108586**

UST Owner:	ABC CONSTRUCTION CO INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 105600 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	105600
Tank Type:	SINGLE WALL
Additional Id:	001
Capacity Gallons:	500
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1992-01-13 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 105600 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	105600
Tank Type:	UNKNOWN
Additional Id:	002
Capacity Gallons:	500
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1992-01-13 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

Active Permits:

Facility Id:	105600
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	HYDRAULIC OIL/MOTOR OIL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	105600
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS

ABC CONSTRUCTION CO INC (Continued) **1000108586**

Other Information: USED COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 105600
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: ENGINE OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 105600
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: FILTERS/ DRAINED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 105600
Update Date: 11/02/2012
Case Number: 9016-45-9
Name: NONYLPHENOXYPOLY (ETHYLENEOXY) ETHANOL
Other Information: ZEP ASPHALT RELEASE AGENT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 105600
Update Date: 11/02/2012
Case Number: 8032-32-4
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: PARTS WASHER, NAPHTHA SOLVENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 105600
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: RAGS/USED ABSORBENTS/ CONTAMINATED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 105600
Update Date: 11/02/2012
Inspection Date: 05/12/2005
Violation Code: 6HV0210
Violation: DID NOT CLEAN SPILL TO FLOOR
Violation Citation: Failure to clean up hazardous waste off of floor surface. 66262.10b

ABC CONSTRUCTION CO INC (Continued) **1000108586**

Activity:	ACTIVE
Facility Id:	105600
Update Date:	11/02/2012
Inspection Date:	03/02/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Facility Id:	105600
Update Date:	11/02/2012
Inspection Date:	03/02/2007
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	105600
Update Date:	11/02/2012
Inspection Date:	08/31/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	105600
Update Date:	11/02/2012
Inspection Date:	11/18/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Facility Id:	105600
Update Date:	11/02/2012
Inspection Date:	03/02/2007
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE
Facility Id:	105600
Update Date:	11/02/2012
Inspection Date:	08/31/2011
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Facility Id:	105600

ABC CONSTRUCTION CO INC (Continued) **1000108586**

Update Date:	11/02/2012
Inspection Date:	05/12/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	105600
Update Date:	11/02/2012
Inspection Date:	05/12/2005
Violation Code:	6HV0215
Violation:	OIL FILTERS IMPROPERLY MANAGED
Violation Citation:	Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity:	ACTIVE
Facility Id:	105600
Update Date:	11/02/2012
Inspection Date:	11/18/2003
Violation Code:	6HV0204
Violation:	WASTE CONTAINER:IMPROPER MGMT
Violation Citation:	Hazardous waste storage container is not handled or stored in a manner which will prevent leaks or rupture. CCR 66265.173
Activity:	ACTIVE
Facility Id:	105600
Update Date:	11/02/2012
Inspection Date:	02/26/2010
Violation Code:	6HV0218
Violation:	FILTERS:FUEL/OIL NOT LABELED OR CLOSED
Violation Citation:	Failed to label &/or close drained used oil filters &/or used fuel filters. 25250.22 and 66266.130(c)(3)
Activity:	ACTIVE
Facility Id:	105600
Update Date:	11/02/2012
Inspection Date:	03/02/2007
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE
Facility Id:	105600
Update Date:	11/02/2012
Inspection Date:	03/02/2007
Violation Code:	6HV0218
Violation:	FILTERS:FUEL/OIL NOT LABELED OR CLOSED
Violation Citation:	Failed to label &/or close drained used oil filters &/or used fuel filters. 25250.22 and 66266.130(c)(3)
Activity:	ACTIVE
Facility Id:	105600
Update Date:	11/02/2012
Inspection Date:	03/02/2007
Violation Code:	6HV0227

ABC CONSTRUCTION CO INC (Continued) **1000108586**

Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 105600
Update Date: 11/02/2012
Inspection Date: 11/18/2003
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

SWEEPS UST:
Status: Active
Comp Number: 5600
Number: 9
Board Of Equalization: 44-022249
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005600-000002
Tank Status: A
Capacity: 500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 1

Status: Not reported
Comp Number: 5600
Number: Not reported
Board Of Equalization: 44-022249
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005600-000001
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

HIST UST:
File Number: 0002AB05
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AB05.pdf
Region: STATE
Facility ID: 00000014955

ABC CONSTRUCTION CO INC (Continued) **1000108586**

Facility Type:	Other
Other Type:	CONSTRUCTION
Contact Name:	ROBERT CZUBERNAT
Telephone:	6192393428
Owner Name:	ABC CONSTRUCTION CO., INC.
Owner Address:	3120 NATIONAL AVENUE
Owner City,St,Zip:	SAN DIEGO, CA 92113
Total Tanks:	0002
Tank Num:	001
Container Num:	001
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test
Tank Num:	002
Container Num:	002
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test

Click here for Geo Tracker PDF:

FINDS:

Registry ID: 110055819930

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2158

ABC CONSTRUCTION CO INC (Continued) **1000108586**

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

ECHO:
Envid: 1000108586
Registry ID: 110055819930
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110055819930

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179 North 1/2-1 0.933 mi. 4928 ft.

Relative: Higher

Actual: 71 ft.

F11 MIXED-USE
1110 F STREET
SAN DIEGO, CA 92101

CA SLIC **S100178277**
CA Notify 65 **N/A**

SLIC:
Region: STATE
Facility Status: **Open - Site Assessment**
Status Date: 04/09/2015
Global Id: T10000006697
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: DEH2015-LSAM-000296
Latitude: 32.7138187764328
Longitude: -117.154264905091
Case Type: Cleanup Program Site
Case Worker: TS
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

180 North 1/2-1 0.936 mi. 4942 ft. **SAN DIEGO SHIP BUILDING**
980 F STREET
CHULA VISTA, CA 92101

CA ENVIROSTOR **S104746587**
CA San Diego Co. HMMD **N/A**

Relative: Higher

Actual: 67 ft.

ENVIROSTOR:

Facility ID:	37370125
Status:	Refer: Other Agency
Status Date:	11/02/1998
Site Code:	400563
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	15
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Cleanup Cypress
Assembly:	80
Senate:	40
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	32.63611
Longitude:	-117.0983
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* OTHER INORGANIC SOLID WASTE Lead
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	SAN DIEGO SHIP BUILDING
Alias Type:	Alternate Name
Alias Name:	SHANGRI LA PARCEL
Alias Type:	Alternate Name
Alias Name:	CAD107568321
Alias Type:	EPA Identification Number
Alias Name:	400563
Alias Type:	Project Code (Site Code)
Alias Name:	37370125
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	09/18/1996
Comments:	A Preliminary Assessment was completed under U.S. EPA grant. No further assessment action is warranted by U.S. EPA. However, DTSC requires a Preliminary Endangerment Assessment due to heavy metals on the site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	01/26/1995
Comments:	Site was identified from a non-emergency release report dated August 1994. The San Diego Unified Port District, a prospective buyer,

SAN DIEGO SHIP BUILDING (Continued) **S104746587**

conducted a Phase I and Phase II assess- ments and found that the site is contaminated with copper, zinc, and lead. A PEA notification letter was sent to the Port.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	108418
Business Type:	6HK71
EPA Id Number:	CAC00067552
APN:	DEH-108418
Last HMMD Inspection:	02/19/1992
Permit Status:	INAC
Permit Expiration:	08/16/1994
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

181
NE
1/2-1
0.949 mi.
5011 ft.

333 24TH ST
SAN DIEGO, CA 92102

CA Notify 65 **S100178160**
N/A

Relative:
Higher

Actual:
108 ft.

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported

182
NW
1/2-1
0.973 mi.
5138 ft.

PACIFIC SOAP CO.
301 WEST MARKET
SAN DIEGO, CA 92101

CA ENVIROSTOR **S101481958**
N/A

Relative:
Higher

Actual:
23 ft.

ENVIROSTOR:

Facility ID:	37280012
Status:	Refer: Other Agency
Status Date:	04/25/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	78
Senate:	39
Special Program:	* CERC2
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	32.71138
Longitude:	-117.1655
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* UNSPECIFIED ACID SOLUTION
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	37280012
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	04/25/1995
Comments:	07/10/1988 PRELIM ASSESS DONE. THERE ARE UNRESOLVED QUESTIONS ABOUT PAST WASTE PRACTICES, SAN DIEGO CO. DHS IS STILL WORKING WITH PACIFIC SOAP. 08/05/1988 SUBMIT TO EPA NO FURTHER ACTION UNDER CERCLA 2, SITE WILL NOT SCORE OVER 28.5. NFA FOR DTSC.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/07/1994
Comments:	CALSITES VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	07/10/1988
Comments:	PRELIM ASSESS DONE THERE ARE UNRESOLVED QUESTIONS ABOUT PAST WASTE PRACTICES,SAN DIEGO CO. DHS IS STILL WORKING WITH PACIFIC SOAP

Completed Area Name:	PROJECT WIDE

PACIFIC SOAP CO. (Continued) **S101481958**

Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/16/1987
Comments: SITE SCREENING DONE POOR STORAGE OF CHEMS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/15/1982
Comments: FACILITY IDENTIFIED ID VIA 45 PHONE BOOK

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

183
ESE
1/2-1
0.987 mi.
5211 ft.

Relative:
Higher

Actual:
23 ft.

TDY INDUSTRIES, INC.
2701 NORTH HARBOR DRIVE
SAN DIEGO, CA 92101

RCRA-TSDF **1000201840**
RCRA-CESQG **CAD008382475**
CA LUST
CA SLIC
CA WMUDS/SWAT
CA HIST UST
US FIN ASSUR
CA Financial Assurance
CA HIST CORTESE
NY MANIFEST
CA NPDES
CA Notify 65

RCRA-TSDF:
Date form received by agency: 04/30/2002
Facility name: TDY INDUSTRIES, INC.
Facility address: 2701 NORTH HARBOR DRIVE
SAN DIEGO, CA 92101
EPA ID: CAD008382475
Mailing address: 1000 SIX PPG PLACE
PITTSBURGH, PA 15222
Contact: EDGARD BERTAUT
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (412) 395-3052
Contact email: EBERTAUT@ALLEGHENYTECHNOLOGIES.COM
EPA Region: 09
Land type: Other land type
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous

TDY INDUSTRIES, INC. (Continued) **1000201840**

waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

Historical Generators:

Date form received by agency: 03/04/1999
Site name: TELEDYNE RYAN AERONAUTICAL
Classification: Large Quantity Generator

Date form received by agency: 02/06/1998
Site name: TELEDYNE RYAN AERONAUTICAL
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: TELEDYNE RYAN AERONAUTICAL
Classification: Large Quantity Generator

TDY INDUSTRIES, INC. (Continued) **1000201840**

Date form received by agency: 03/27/1996
Site name: TELEDYNE RYAN AERONAUTICAL
Classification: Large Quantity Generator

Date form received by agency: 03/31/1994
Site name: TELEDYNE RYAN AERONAUTICAL CO
Classification: Large Quantity Generator

Date form received by agency: 03/02/1992
Site name: TELEDYNE RYAN AERONAUTICALCO
Classification: Large Quantity Generator

Date form received by agency: 04/13/1990
Site name: TELEDYNE RYAN AERONAUTICALCO
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: TELEDYNE RYAN AERONAUTICAL
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: TELEDYNE RYAN AERONAUTICAL
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 07/30/1993
Date achieved compliance: 07/30/1998
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 07/13/1992
Date achieved compliance: 07/30/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 11/28/1990
Date achieved compliance: 07/13/1992

TDY INDUSTRIES, INC. (Continued) **1000201840**

Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 09/02/1986
Date achieved compliance: 10/14/1986
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 07/30/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/30/1998
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 07/13/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/30/1993
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 11/28/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/13/1992
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 09/02/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 09/02/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 10/14/1986
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 10/19/1985
Evaluation: FINANCIAL RECORD REVIEW

TDY INDUSTRIES, INC. (Continued) **1000201840**

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT1571
Local Case: H00419-002
Substance: Diesel
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Subsurface Monitoring
How Stopped: Not reported
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 10/30/1989
Date Stopped: / /
Confirm Date: 10/30/1989
Submit Workplan: 3/5/90
Prelim Assess: 06/25/1990
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/30/1989
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 6.5'
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 1B
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Case Closed
Case Number: 9UT1838
Local Case: H00419-003
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Other Means
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected

TDY INDUSTRIES, INC. (Continued) **1000201840**

Date Found: 09/24/1990
Date Stopped: 12/21/1990
Confirm Date: 10/21/1990
Submit Workplan: 10/3/90
Prelim Assess: 08/02/1992
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/24/1990
Enforce Date: Not reported
Closed Date: 10/23/00
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 7'
Beneficial Use: NBNB/E
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Case Closed
Case Number: 9UT2239
Local Case: H00419-006
Substance: Diesel
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 05/06/1992
Date Stopped: 05/06/1992
Confirm Date: 05/20/1992
Submit Workplan: Not reported
Prelim Assess: 05/20/1992
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 5/20/92
Began Monitor: Not reported
Release Date: 05/06/1992
Enforce Date: Not reported
Closed Date: 9/29/92
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 6.5'
Beneficial Use: Not reported
NPDES Number: Not reported

TDY INDUSTRIES, INC. (Continued) **1000201840**

Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Case Closed
Case Number: 9UT2255
Local Case: H00419-007
Substance: Diesel
Qty Leaked: Not reported
Abate Method: No Action Taken - no action has as yet been taken at the site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 05/27/1992
Date Stopped: 05/27/1992
Confirm Date: 06/10/1992
Submit Workplan: 6/16/92
Prelim Assess: 12/21/1992
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 05/27/1992
Enforce Date: Not reported
Closed Date: 9/6/94
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 11'
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Case Closed
Case Number: 9UT533
Local Case: H00419-001
Substance: Jet Fuel
Qty Leaked: 100
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Overfill

TDY INDUSTRIES, INC. (Continued) **1000201840**

Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 02/27/1986
Date Stopped: 05/14/1986
Confirm Date: 02/28/1986
Submit Workplan: Not reported
Prelim Assess: 01/10/1986
Desc Pollution: Not reported
Remed Plan: 02/13/1987
Remed Action: 8/31/87
Began Monitor: 9/11/92
Release Date: 05/14/1986
Enforce Date: Not reported
Closed Date: 11/4/92
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: Not reported
Beneficial Use: NBNB/E
NPDES Number: Not reported
Priority: 1B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 02/13/2015
Global Id: SL209054180
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number: H00419-001
Latitude: 32.7299546082809
Longitude: -117.185121774673
Case Type: Cleanup Program Site
Case Worker: TCA
Local Agency: Not reported
RB Case Number: 2090500
File Location: Regional Board
Potential Media Affected: Soil, Surface water
Potential Contaminants of Concern: Other Acid or Corrosive, 1,1,1-Trichloroethane (TCA), Tetrachloroethylene (PCE), Trichloroethylene (TCE), Polychlorinated biphenyls (PCBs), Diesel, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating, * * PCB-1248, * * PCB-1260, * Petroleum - Jet Fuel / Aviation
Site History: The 44-acre Site is located adjacent to and south of the Airport runway and is owned by the San Diego Unified Port District ("Port") and is occupied at the current time by the Airport. The Site was originally tidelands of the San Diego Harbor but was filled with materials dredged from San Diego Harbor from 1936 to 1939 during the creation of Lindbergh Field and the U.S. Coast Guard Station. The Site was initially owned by the City of San Diego as part of its airport operations. The Site was leased to the Ryan Aeronautical Company (Ryan Aeronautical) commencing on or around 1939, and was later leased toTeledyne Industries, Inc., acting by and through its Teledyne Ryan Aeronautical Division (TRA) commencing in 1984. The

TDY INDUSTRIES, INC. (Continued) **1000201840**

westernmost portion of the Site was reportedly used by the City of San Diego for its operations during the early 1940s. The Port subsequently received title for the property from the City of San Diego in the early 1960s. Ryan Aeronautical and TRA manufactured aircraft and military planes for the U.S. Government from 1939 to 1999. The business and the majority of the assets of Ryan Aeronautical were sold in 1999 to Northrop Grumman. Operations at the Site ceased in 1999 and the Port terminated TDYs lease was terminated on November 1, 2002. A detailed site use history was developed by PES Environmental (PES, 2001). The activities described in the PES report are consistent with large scale manufacturing of aircraft and aeronautical equipment. As such, various chemicals of interest were utilized onsite, including polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), petroleum fuels, and metals.

Click here to access the California GeoTracker records for this facility:

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Primary Waste:	PROCES
Primary Waste Type:	Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Private
Agency Name:	TELEDYNE RYAN AERONAUTICAL
Agency Department:	Not reported
Agency Address:	P.O. BOX 85311
Agency City,St,Zip:	SAN DIEGO ,CA 921385311
Agency Contact:	GENERAL COUNSEL
Agency Telephone:	6192604305
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	9
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water

TDY INDUSTRIES, INC. (Continued) **1000201840**

pumping.
Facility Description: Not reported
Facility Telephone: 6192604392
SWAT Facility Name: Not reported
Primary SIC: 3728
Secondary SIC: Not reported
Comments: Not reported
Last Facility Editors: Not reported
Waste Discharge System: True
Solid Waste Assessment Test Program: False
Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False
Solid Waste Assessment Test Program: Not reported
Threat to Water Quality: Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Sub Chapter 15: True
Regional Board Project Officer: BDK
Number of WMUDS at Facility: 1
Section Range: Not reported
RCRA Facility: No
Waste Discharge Requirements: H
Self-Monitoring Rept. Frequency: Annual Submittal
Waste Discharge System ID: 9 000000381
Solid Waste Information ID: Not reported

HIST UST:
File Number: 0002F378
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F378.pdf
Region: STATE
Facility ID: 00000004646
Facility Type: Other
Other Type: MANUFACTURING
Contact Name: R. P. SCHWARTZ
Telephone: 6192917311
Owner Name: TELEDYNE RYAN AERONAUTICAL
Owner Address: 2701 HARBOR DRIVE
Owner City,St,Zip: SAN DIEGO, CA 92138
Total Tanks: 0019

Tank Num: 001
Container Num: 10
Year Installed: 1942
Tank Capacity: 00001120
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

Tank Num: 002
Container Num: 11
Year Installed: 1956
Tank Capacity: 00000120

TDY INDUSTRIES, INC. (Continued) **1000201840**

Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 5
Leak Detection: None

Tank Num: 003
Container Num: 12
Year Installed: 1976
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 19
Year Installed: 1977
Tank Capacity: 00020000
Tank Used for: WASTE
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 005
Container Num: 1
Year Installed: 1967
Tank Capacity: 00000475
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 5/16
Leak Detection: None

Tank Num: 006
Container Num: 2
Year Installed: 1967
Tank Capacity: 00000475
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 5/16
Leak Detection: None

Tank Num: 007
Container Num: 3
Year Installed: 1983
Tank Capacity: 00000120
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 008
Container Num: 4
Year Installed: 1941
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported

TDY INDUSTRIES, INC. (Continued) **1000201840**

Leak Detection: None

Tank Num: 009
Container Num: 5
Year Installed: 1941
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 010
Container Num: 18
Year Installed: 1941
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 011
Container Num: 6
Year Installed: 1941
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 012
Container Num: 7
Year Installed: 1975
Tank Capacity: 00020000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 013
Container Num: 8
Year Installed: 1945
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 014
Container Num: 9
Year Installed: 1945
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 015

TDY INDUSTRIES, INC. (Continued) **1000201840**

Container Num: 13
Year Installed: 1982
Tank Capacity: 00000120
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

Tank Num: 016
Container Num: 14
Year Installed: 1965
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 017
Container Num: 15
Year Installed: 1970
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 018
Container Num: 16
Year Installed: 1956
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 3/16
Leak Detection: None

Tank Num: 019
Container Num: 17
Year Installed: 1954
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

US FIN ASSUR:
EPA ID: CAD008382475
Provider: PNC BANK
EPA region: 9
County: Not reported
Mechanism type: LETTER OF CREDIT
Mechanism ID: 18105616-00-000
Cost estimate: 2000000
Face value: 2000000
Effective date: 2007-07-18 00:00:00

TDY INDUSTRIES, INC. (Continued) **1000201840**

EPA ID: CAD008382475
Provider: PNC BANK
EPA region: 9
County: Not reported
Mechanism type: LETTER OF CREDIT
Mechanism ID: 18105616-00-000
Cost estimate: 221640
Face value: 2000000
Effective date: 2007-07-18 00:00:00

EPA ID: CAD008382475
Provider: PNC BANK
EPA region: 9
County: Not reported
Mechanism type: LETTER OF CREDIT
Mechanism ID: 18105616-00-000
Cost estimate: 221640
Face value: 340000
Effective date: 2007-07-18 00:00:00

CA Financial Assurance 1:
EPA ID Number: CAD008382475
Sudden Amount1: Not reported
Non Sudden Amount1: Not reported
Closure Mechanism: Not reported
Closure Amount: Not reported
Post Closure Mechanism: Not reported
Post Closure Amount: Not reported
Corrective Action Mechanism: Not reported
Corrective Action Amount: Not reported
Sudden Mechanism Type: Not reported
Sudden Mechanism Amount: Not reported
Non Sudden Mechanism Type: Not reported
Non Sudden Mechanism Amount: Not reported
O and M Mechanism Type: Not reported
O and M Amount: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1838

Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1571

Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT533

Region: CORTESE
Facility County Code: 37
Reg By: LTNKA

TDY INDUSTRIES, INC. (Continued) **1000201840**

Reg Id: 9UT2239

Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2255

NY MANIFEST:
Country: USA
EPA ID: CAD008382475
Facility Status: Not reported
Location Address 1: 2701 HARBOR DRIVE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: SAN DIEGO
Location State: CA
Location Zip: 92101
Location Zip 4: Not reported

NY MANIFEST:
EPAID: CAD008382475
Mailing Name: TELEDYNE RYAN AERONAUTICAL
Mailing Contact: R W SHEPARD
Mailing Address 1: 2701 HARBOR DRIVE
Mailing Address 2: Not reported
Mailing City: SAN DIEGO
Mailing State: CA
Mailing Zip: 92101
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 6192917311

NY MANIFEST:
Document ID: NYB2989944
Manifest Status: C
seq: Not reported
Year: 1991
Trans1 State ID: 11341PNY
Trans2 State ID: 11278PNY
Generator Ship Date: 05/01/1991
Trans1 Recv Date: 05/01/1991
Trans2 Recv Date: 05/06/1991
TSD Site Recv Date: 05/06/1991
Part A Recv Date: 05/10/1991
Part B Recv Date: 05/15/1991
Generator EPA ID: CAD008382475
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: NYD980769947
TSDF ID 1: NYD000632372
TSDF ID 2: Not reported
Manifest Tracking Number: Not reported
Import Indicator: Not reported
Export Indicator: Not reported
Discr Quantity Indicator: Not reported
Discr Type Indicator: Not reported
Discr Residue Indicator: Not reported

TDY INDUSTRIES, INC. (Continued) **1000201840**

Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D003 - NON-LISTED REACTIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00001
Units:	L
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	416233
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C361299
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	6/23/2011
PROCESSED DATE:	6/24/2011
STATUS CODE NAME:	Active
STATUS DATE:	6/24/2011
PLACE SIZE:	46.1
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Allison Gutierrez
FACILITY CONTACT TITLE:	Associate Environmental Specialist
FACILITY CONTACT PHONE:	619-686-6434
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	agutierr@portofsandiego.org
OPERATOR NAME:	San Diego Unified Port District
OPERATOR ADDRESS:	3165 Pacific Highway
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92101
OPERATOR CONTACT NAME:	Allison Gutierrez

TDY INDUSTRIES, INC. (Continued) **1000201840**

OPERATOR CONTACT TITLE:	Associate Env. Specialist
OPERATOR CONTACT PHONE:	619-686-6434
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	agutierr@portofsandiego.org
OPERATOR TYPE:	Special District
DEVELOPER NAME:	Miller Environmental Inc
DEVELOPER ADDRESS:	2210 South Dupont Drive
DEVELOPER CITY:	Anaheim
DEVELOPER STATE:	California
DEVELOPER ZIP:	92806
DEVELOPER CONTACT NAME:	Rob Schafer
DEVELOPER CONTACT TITLE:	Vice President
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	demolition
CONSTYPE OTHER IND:	Y
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	San Diego Bay
CERTIFIER NAME:	Jeffrey McEntee
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	23-JUN-11
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported

184
ENE
1/2-1
0.995 mi.
5256 ft.

GIFFORD'S BARRELS
2606 COMMERCIAL STREET
SAN DIEGO, CA 92113

CA ENVIROSTOR **S111842209**
N/A

Relative:
Higher

Actual:
74 ft.

ENVIROSTOR:

Facility ID:	37500033
Status:	Refer: Other Agency
Status Date:	04/25/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	80
Senate:	40
Special Program:	* CERC2
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	32.70527
Longitude:	-117.1375
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* HYDROCARBON SOLVENTS * AQUEOUS SOLUTION WITH METALS * CONTAMINATED SOIL * ACID SOLUTION 2>PH WITH METALS * UNSPECIFIED AQUEOUS SOLUTION * WASTE OIL & MIXED OIL * OTHER PESTICIDE CONTAINERS, 30 GALLONS OR MORE
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD982359531
Alias Type:	EPA Identification Number
Alias Name:	37500033
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	04/25/1995
Comments:	NFA for DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	10/27/1994
Comments:	Database verification program confirmed the status.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	05/31/1988
Comments:	Preliminary Assessment (PA) Done: Further investigation will be done by County Health. PA submitted to EPA: EPA recommendation is

GIFFORD'S BARRELS (Continued) **S111842209**

Screening Site Inspection based on Gifford's history of violations, observ- ed staining, and elevated heavy metal concentrations in the soil. Potential for direct contact hazards and migration of contaminants.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/26/1986
Comments:	SITE SCREENING DONE

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	01/13/1983
Comments:	FACILITY IDENTIFIED VIA ROUTINE SURVEILLANCE

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Count: 30 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN DIEGO	S108406975	CAMPBELL INDUSTRIES	08TH AV & HARBOR DR	92101	CA SAN DIEGO CO. SAM
SAN DIEGO	S108407139	MTS-PORT DISTRICT SITE CLOSED	08TH AV & HARBOR DR	92101	CA SAN DIEGO CO. SAM
SAN DIEGO	S106797667	TRIANGLE PROPERTY	65 13TH ST. & 1344 NATIONAL AV	92101	CA ENVIROSTOR
SAN DIEGO	S106893825	THE RENAISSANCE MARINA CENTER	1ST AVE/FRONT ST/G ST/MARKET S	92101	CA ENVIROSTOR
SAN DIEGO	S106797704	ICON	312 & 354 11TH AVENUE	92101	CA ENVIROSTOR
SAN DIEGO	S107736717	MEMORIAL AREA MIDDLE SCHOOL ALT SI	43RD STREET/LOGAN AVENUE	92113	CA ENVIROSTOR, CA SCH
SAN DIEGO	S106893841	CITY WALK CONDOS	600-614 & 620 UNION STREET	92101	CA ENVIROSTOR
SAN DIEGO	S106797686	MTDB LEASEHOLD	93 8TH AVENUE	92101	CA ENVIROSTOR
SAN DIEGO	S108226114	BAY FRONT STREET/CROSBY STREET REL	BAY FRONT STREET	92101	CA SLIC
SAN DIEGO	S106797694	LOTS 2 THRU 12 IN BLOCK 24 OF MIDD	BLK BORDERED BY CEDAR,BEECH,ST	92101	CA ENVIROSTOR
SAN DIEGO	S106797701	UNION SQUARE	1400,1434 BROADWAY & 1441 C ST	92101	CA ENVIROSTOR
SAN DIEGO	1003879071	GIFFORD'S BARRELS	NE CORNER OF 26TH & COMMERCIAL	92113	SEMS-ARCHIVE
SAN DIEGO	S108407018	CROSBY ST CORRIDOR	CROSBY ST	92113	CA SAN DIEGO CO. SAM
SAN DIEGO	S108406969	BURLINGTON NTHRN&SANTA FE RAIL	1342 CROSBY ST	92113	CA SAN DIEGO CO. SAM
SAN DIEGO	S109277052	SDCTY-FIRE STATION #07	944 CROSBY ST	92113	CA SAN DIEGO CO. SAM
SAN DIEGO	S108407019	CROSBY STREET MERCADO	CROSBY ST	92101	CA SAN DIEGO CO. SAM
SAN DIEGO	S108407052	FORMER UNOCAL PIPELINE	CROSBY & BAY FRONT	92113	CA SAN DIEGO CO. SAM
SAN DIEGO	S107736535	KENNEDY/KNOX SCHOOL SITE NO. 1	DOMINION STREET/LOGAN AVENUE	92113	CA ENVIROSTOR, CA SCH
SAN DIEGO	S106797678	INTERNATIONAL GATEWAY	N E OF WILLOW RD & TIA JUANA S	92101	CA ENVIROSTOR
SAN DIEGO	S112831813	OLD POLICE STATION	81 WEST HARBOR DRIVE	92101	CA LUST
SAN DIEGO	S106905767	LINDBERGH FIELD PLANT - BLDG 75	HARBOR DRIVE	92101	CA SLIC
SAN DIEGO	S118504908	WEST HARBOR BASIN	HARBOR ISLAND DRIVE	92101	CA SLIC
SAN DIEGO	S106893822	9TH AND IMPERIAL	IMPERIAL AV BW WEST OF 8TH & E	92101	CA ENVIROSTOR
SAN DIEGO	S108406920	24TH & IMPERIAL AUTO REPAIR	IMPERIAL AV	92102	CA SAN DIEGO CO. SAM
SAN DIEGO	S108407084	IMPERIAL AV 8TH> >9TH (VAP)	IMPERIAL/BTWN8TH&9TH	92101	CA SAN DIEGO CO. SAM
SAN DIEGO	S108407253	SOUTHWEST MARINE	MAIN ST	92113	CA SAN DIEGO CO. SAM
SAN DIEGO	S107737243	SAN DIEGO NALF (AUXLNDFL)	SAN DIEGO	92101	CA ENVIROSTOR
SAN DIEGO	S106797698	PROPOSED 5TH & K DEVELOPMENT	NORTH SIDE OF K STREET B/W 5TH	92101	CA ENVIROSTOR
SAN DIEGO	S107736712	MEAD ELEMENTARY SCHOOL EXPANSION	F STREET/45TH STREET	92102	CA ENVIROSTOR, CA SCH
SAN DIEGO	S106060293	DOLE FRESH FRUIT COMPANY	850 WATER ST	92101	CA AST, CA San Diego Co. HMMD

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 10/05/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 10/05/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 10/05/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 09/14/2016
Date Data Arrived at EDR: 10/04/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/04/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/20/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/20/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/27/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/18/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/09/2016
Date Data Arrived at EDR: 06/01/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/29/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/09/2016
Date Data Arrived at EDR: 06/01/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/29/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/29/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 08/01/2016
Date Data Arrived at EDR: 08/02/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/01/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 08/01/2016
Date Data Arrived at EDR: 08/02/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/01/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/15/2016
Date Data Arrived at EDR: 08/16/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 50

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/15/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/13/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/14/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/09/2015
Date Data Arrived at EDR: 02/12/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 112

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 118

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Semi-Annually

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015
Date Data Arrived at EDR: 02/19/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 105

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/13/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/14/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/11/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/14/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 11/21/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 01/26/2016
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 119
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 12/03/2015
Date Data Arrived at EDR: 02/04/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 120
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 08/01/2016
Date Data Arrived at EDR: 08/02/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/01/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 02/29/2016
Date Data Arrived at EDR: 03/07/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 58
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/20/2016
Date Data Arrived at EDR: 09/21/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 51
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/21/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/14/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 08/25/2016
Date Data Arrived at EDR: 08/26/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 49

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/24/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/04/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 08/31/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 17

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/31/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 08/01/2016
Date Data Arrived at EDR: 08/02/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/01/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 05/10/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 17

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/29/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2016
Date Data Arrived at EDR: 09/27/2016
Date Made Active in Reports: 10/20/2016
Number of Days to Update: 23

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/28/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/25/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/06/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 37

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/27/2016
Date Data Arrived at EDR: 06/28/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 87

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/27/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 06/03/2016
Date Data Arrived at EDR: 07/26/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 59

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/26/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/13/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 31

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/14/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/13/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/14/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/08/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/14/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/14/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/17/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 07/12/2016
Date Data Arrived at EDR: 08/17/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 65

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/08/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/23/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133
Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/22/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/24/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 81
Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 11/18/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35
Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 127
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/14/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/27/2016
Date Data Arrived at EDR: 08/05/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 77
Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/11/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/17/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/17/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/03/2016
Date Data Arrived at EDR: 10/05/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 16
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/05/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/02/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2016
Date Data Arrived at EDR: 08/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 53

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/23/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/14/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/21/2016
Date Data Arrived at EDR: 07/26/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 59

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/08/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/09/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/07/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 148

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 10/20/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 06/30/2016
Date Data Arrived at EDR: 07/25/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 88

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 06/30/2016
Date Data Arrived at EDR: 07/25/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 88

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/05/2016
Date Data Arrived at EDR: 09/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 22

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/01/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/12/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/15/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 65

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 12/05/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/28/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 09/27/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 52

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/27/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 37

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 09/23/2016
Date Made Active in Reports: 10/24/2016
Number of Days to Update: 31

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/23/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 08/22/2016
Date Data Arrived at EDR: 08/24/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 42

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 11/24/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/10/2016
Date Data Arrived at EDR: 08/15/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 51

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 10/14/2015
Date Made Active in Reports: 12/11/2015
Number of Days to Update: 58

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/12/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Annually

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/22/2016
Date Data Arrived at EDR: 08/23/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 43

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/22/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/11/2016
Date Data Arrived at EDR: 07/13/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 36

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/12/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/14/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 09/06/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 37

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/16/2016
Date Data Arrived at EDR: 05/18/2016
Date Made Active in Reports: 06/23/2016
Number of Days to Update: 36

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/15/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 09/06/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 37

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/14/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/10/2015
Date Data Arrived at EDR: 01/05/2016
Date Made Active in Reports: 02/12/2016
Number of Days to Update: 38

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/19/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/14/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/14/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/23/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/22/2016
Date Data Arrived at EDR: 08/23/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 59

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/22/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Quarterly

ICE: ICE
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/22/2016
Date Data Arrived at EDR: 08/23/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 43

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/22/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/18/2016
Date Data Arrived at EDR: 09/20/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/20/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Quarterly

ABANDONED MINES: Abandoned Mines
An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/09/2016
Date Data Arrived at EDR: 06/13/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 81

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/09/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/14/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 35

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/07/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/07/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/08/2016
Number of Days to Update: 27

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/07/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 08/22/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 10/21/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 23

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 10/24/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 10/25/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 22

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/22/2016
Date Data Arrived at EDR: 08/24/2016
Date Made Active in Reports: 10/10/2016
Number of Days to Update: 47

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 11/01/2016
Date Data Arrived at EDR: 11/03/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 19

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/24/2016
Date Data Arrived at EDR: 05/26/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 75

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/11/2016
Date Data Arrived at EDR: 10/14/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 35

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 09/29/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 10/25/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 22

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/21/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 10/24/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 22

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/24/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 08/04/2016
Date Data Arrived at EDR: 08/08/2016
Date Made Active in Reports: 10/18/2016
Number of Days to Update: 71

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/25/2016
Date Data Arrived at EDR: 05/27/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 26

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 09/08/2016
Date Data Arrived at EDR: 09/09/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 35

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/17/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 09/19/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/05/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 37

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/15/2016
Date Data Arrived at EDR: 07/19/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 78

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/18/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/17/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 68
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/17/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/17/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 11/04/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 12/17/2015
Number of Days to Update: 34
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/24/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/23/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 28
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/07/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/18/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 32
Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 04/07/2016
Date Data Arrived at EDR: 04/26/2016
Date Made Active in Reports: 06/01/2016
Number of Days to Update: 36
Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 09/29/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 08/17/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 32

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 08/29/2016
Date Data Arrived at EDR: 08/31/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 44

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/28/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016
Date Data Arrived at EDR: 06/27/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 43

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 11/21/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/28/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/09/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 07/25/2016
Date Data Arrived at EDR: 08/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 53

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 08/01/2016
Date Data Arrived at EDR: 08/15/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 51

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/03/2016
Date Data Arrived at EDR: 08/15/2016
Date Made Active in Reports: 10/07/2016
Number of Days to Update: 53

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/01/2016
Date Data Arrived at EDR: 08/09/2016
Date Made Active in Reports: 10/11/2016
Number of Days to Update: 63

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/08/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 07/18/2016
Date Made Active in Reports: 10/07/2016
Number of Days to Update: 81

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/19/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/13/2016
Date Data Arrived at EDR: 07/18/2016
Date Made Active in Reports: 08/08/2016
Number of Days to Update: 21

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/19/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/22/2016
Date Data Arrived at EDR: 10/04/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 45

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/04/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/02/2016
Date Data Arrived at EDR: 07/06/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 43

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/04/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 09/06/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 10/19/2016
Number of Days to Update: 42

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 09/21/2016
Date Data Arrived at EDR: 09/22/2016
Date Made Active in Reports: 10/18/2016
Number of Days to Update: 26
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/19/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/18/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 10/04/2016
Number of Days to Update: 43
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 15
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/09/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/09/2016
Date Data Arrived at EDR: 06/13/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 57
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/09/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 08/17/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 10/04/2016
Number of Days to Update: 43
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/28/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/03/2016
Date Data Arrived at EDR: 08/08/2016
Date Made Active in Reports: 10/07/2016
Number of Days to Update: 60

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 08/17/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 10/04/2016
Number of Days to Update: 43

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/15/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 29

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/21/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/09/2016
Date Data Arrived at EDR: 06/13/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 57

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/09/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 10/18/2016
Number of Days to Update: 19

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/09/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 09/27/2016
Date Data Arrived at EDR: 09/28/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 55

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/01/2016
Date Data Arrived at EDR: 07/05/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 44

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 08/05/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 12/02/2016
Number of Days to Update: 87

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 08/12/2016
Date Data Arrived at EDR: 08/16/2016
Date Made Active in Reports: 10/04/2016
Number of Days to Update: 49

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/24/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 06/28/2016
Date Data Arrived at EDR: 08/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 53

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/24/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/29/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/14/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: Quarterly

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 06/28/2016
Date Data Arrived at EDR: 08/01/2016
Date Made Active in Reports: 10/07/2016
Number of Days to Update: 67
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/24/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/29/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/11/2016
Number of Days to Update: 27
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/14/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 06/30/2016
Date Data Arrived at EDR: 08/24/2016
Date Made Active in Reports: 10/11/2016
Number of Days to Update: 48
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 11/14/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 08/03/2016
Date Data Arrived at EDR: 08/05/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 61
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 08/31/2016
Date Made Active in Reports: 12/12/2016
Number of Days to Update: 103

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/12/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2016
Date Data Arrived at EDR: 08/03/2016
Date Made Active in Reports: 09/09/2016
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/02/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 123

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/14/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/21/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/12/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

TAMT - WAREHOUSE C
645 SWITZER CREEK
SAN DIEGO, CA 92101

TARGET PROPERTY COORDINATES

Latitude (North):	32.698604 - 32° 41' 54.97''
Longitude (West):	117.154416 - 117° 9' 15.90''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	485525.9
UTM Y (Meters):	3617695.5
Elevation:	15 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5622832 POINT LOMA, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

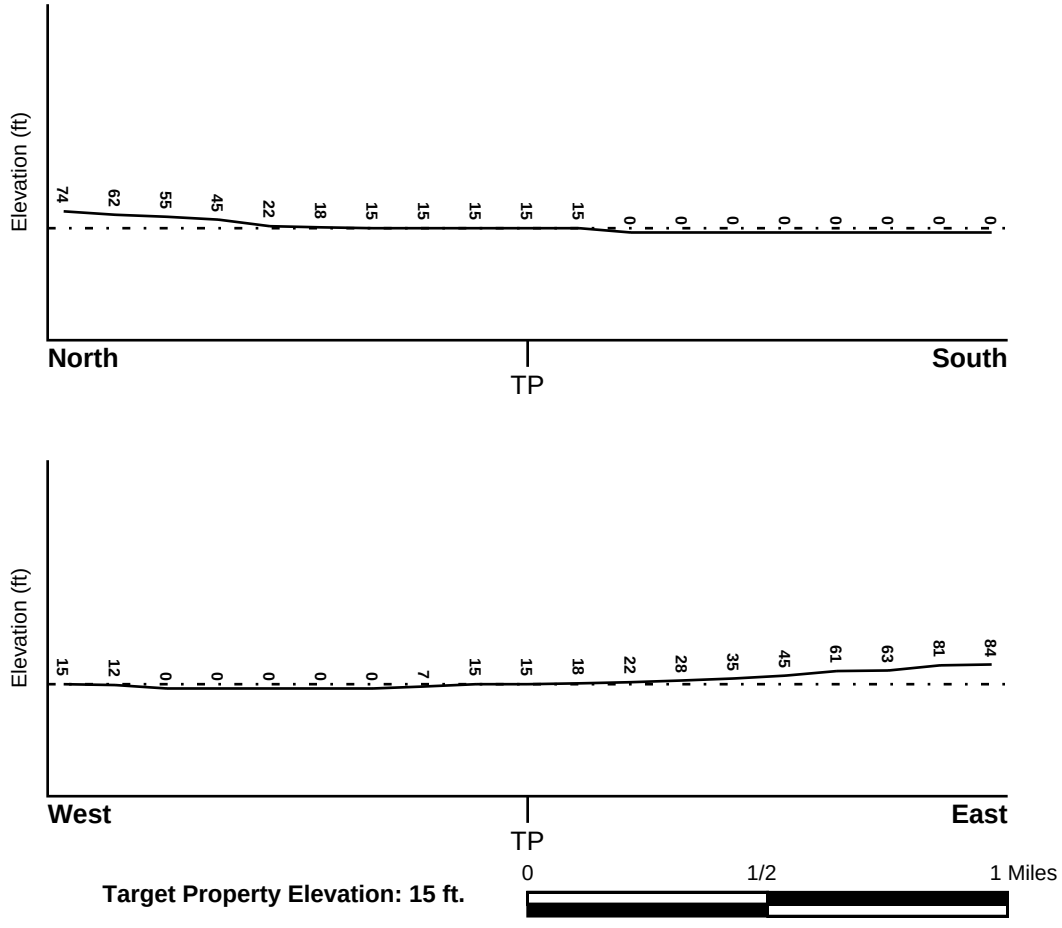
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 15 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06073C1885G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06073C1891G	FEMA FIRM Flood data
06073C1892G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
POINT LOMA	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1 - 2 Miles NNW
Site Name:	Super Plating
Site EPA ID Number:	CAD983658485
Groundwater Flow Direction:	Southwest
Measured Depth to Water:	22 feet to 29 feet.
Hydraulic Connection:	Information is not available about the hydraulic connection between aquifer(s) underlying the site.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	1/4 - 1/2 Mile East	ENE
2	1/4 - 1/2 Mile NNE	SW
3	1/2 - 1 Mile ESE	WSW
4	1/2 - 1 Mile East	S
5	1/2 - 1 Mile East	NW
6	1/2 - 1 Mile North	Not Reported
7	1/2 - 1 Mile NNE	SW
A8	1/2 - 1 Mile NNW	SW
A9	1/2 - 1 Mile NNW	W
B10	1/2 - 1 Mile NNW	SE
11	1/2 - 1 Mile East	Not Reported
B12	1/2 - 1 Mile NNW	W
C13	1/2 - 1 Mile ESE	Not Reported
14	1/2 - 1 Mile North	SW
C15	1/2 - 1 Mile ESE	Not Reported
16	1/2 - 1 Mile North	W
17	1/2 - 1 Mile East	SW
18	1/2 - 1 Mile North	SW
19	1/2 - 1 Mile NNE	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

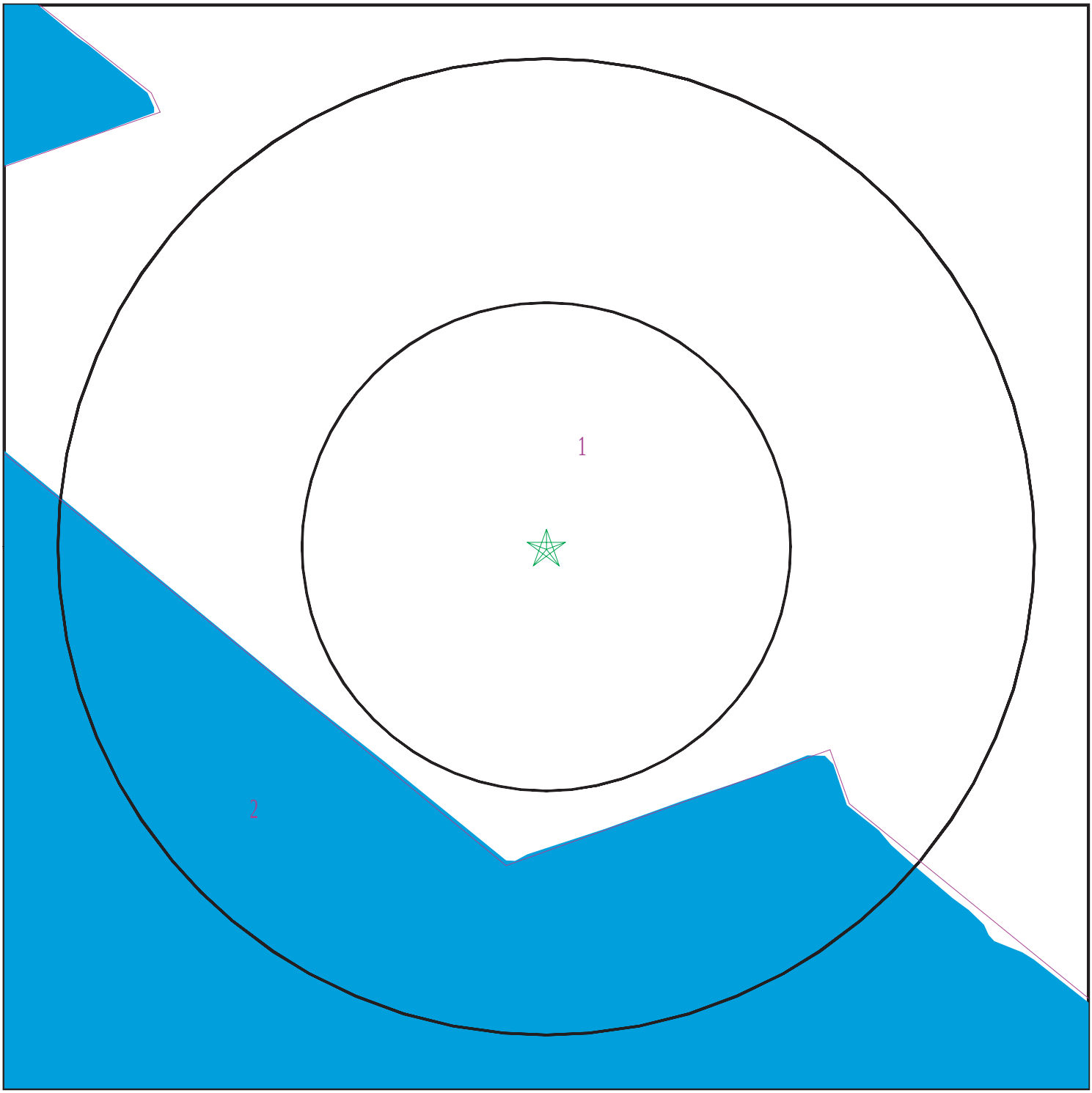
Era:	Cenozoic
System:	Tertiary
Series:	Pliocene
Code:	Tp *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 4806830.2s



SITE NAME:	TAMT - Warehouse C	CLIENT:	Ninyo & Moore
ADDRESS:	645 Switzer Creek San Diego CA 92101	CONTACT:	Adrian Olivares
LAT/LONG:	32.698604 / 117.154416	INQUIRY #:	4806830.2s
		DATE:	December 15, 2016 11:09 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 2

Soil Component Name: Water

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

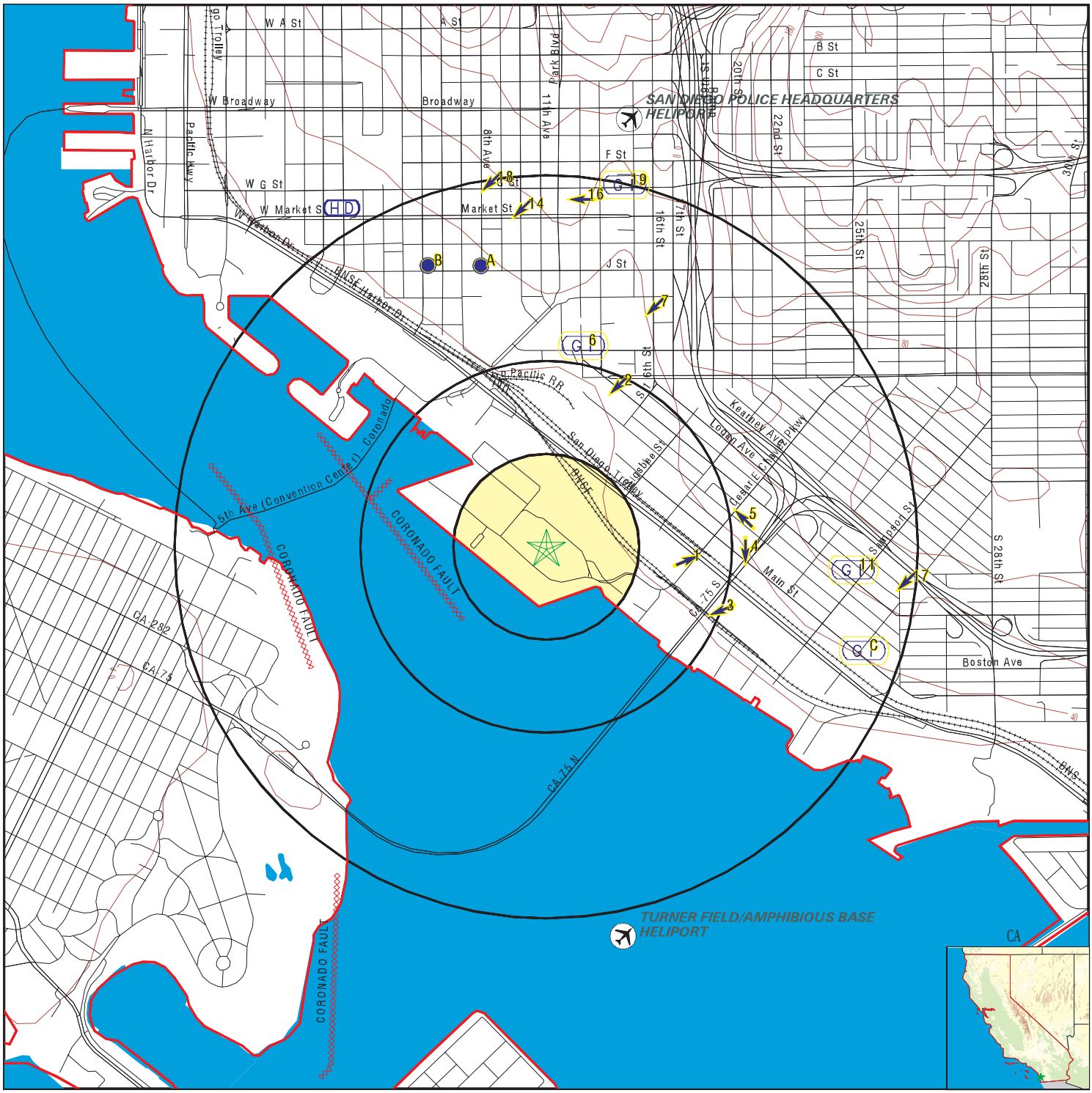
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 4806830.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	TAMT - Warehouse C	CLIENT:	Ninyo & Moore
ADDRESS:	645 Switzer Creek San Diego CA 92101	CONTACT:	Adrian Olivares
		INQUIRY #:	4806830.2s
LAT/LONG:	32.698604 / 117.154416	DATE:	December 15, 2016 11:09 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1 **East** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported ENE Not Reported Not Reported 15 06/1998	**AQUIFLOW**	**33931**
2 **NNE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SW Not Reported Not Reported 35 12/22/1995	**AQUIFLOW**	**55090**
3 **ESE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT2560 WSW Not Reported Not Reported 10.5 11/16/1987	**AQUIFLOW**	**33932**
4 **East** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported S Not Reported Not Reported 25 03/13/1989	**AQUIFLOW**	**33934**
5 **East** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported NW Not Reported Not Reported 30 12/14/1987	**AQUIFLOW**	**38457**
6 **North** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 10 02/14/1997	**AQUIFLOW**	**38311**
7 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT0684 SW Not Reported Not Reported Not Reported 10/20/1988	**AQUIFLOW**	**37993**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
A8 **NNW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SW 10 24 Not Reported 03/03/1988	**AQUIFLOW**	**33876**
A9 **NNW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported W Not Reported Not Reported 26 02/05/1990	**AQUIFLOW**	**34123**
B10 **NNW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SE Not Reported Not Reported 19.5 12/17/1990	**AQUIFLOW**	**34202**
11 **East** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT1348 Not Reported Not Reported Not Reported 16 05/22/1989	**AQUIFLOW**	**33938**
B12 **NNW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported W 10 16 Not Reported 11/29/1994	**AQUIFLOW**	**33858**
C13 **ESE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 35 06/23/1992	**AQUIFLOW**	**55157**
14 **North** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SW 15 30 Not Reported 09/25/1998	**AQUIFLOW**	**37988**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
C15 **ESE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 30 12/14/1987	**AQUIFLOW**	**55143**
16 **North** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported W Not Reported Not Reported 45 12/29/1992	**AQUIFLOW**	**38751**
17 **East** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SW Not Reported Not Reported 59 06/20/1988	**AQUIFLOW**	**38397**
18 **North** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SW Not Reported Not Reported 48 01/30/1991	**AQUIFLOW**	**55166**
19 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 20 03/23/1995	**AQUIFLOW**	**55169**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92101	5	0

Federal EPA Radon Zone for SAN DIEGO County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SAN DIEGO COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.677 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.400 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

Appendix F

Noise and Groundborne Vibration Impact Assessment for Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project

Navcon
Engineering
Network
Noise & Vibration Consultants

701 W. Las Palmas Dr., Fullerton, CA 92835
Phone 714.441.3488 ● Fax 714.441.3487
webinfo@navcon.com
www.navcon.com

Navcon Engineering Report No. 163494i [Rev I]

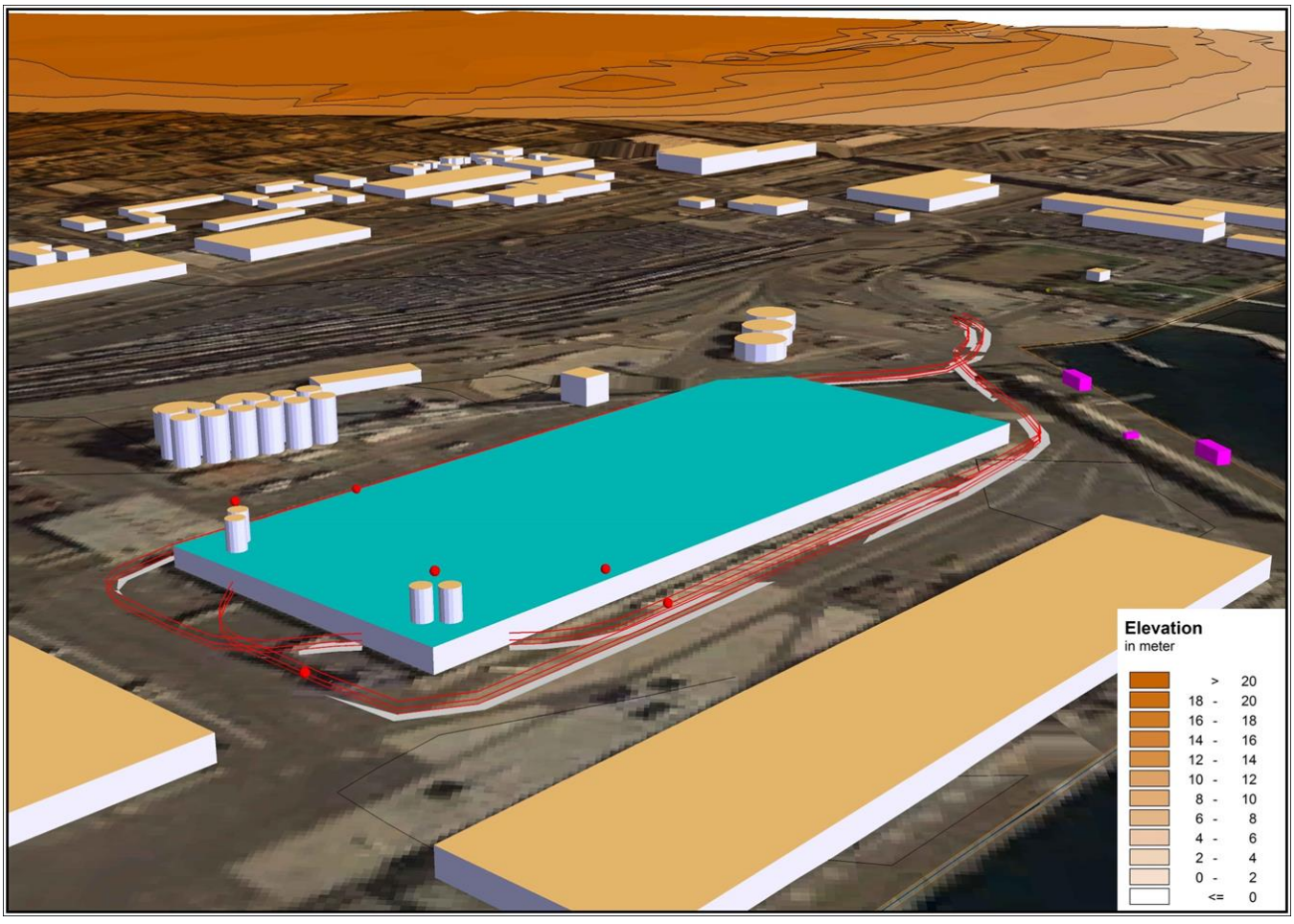
NOISE & GROUNDBORNE VIBRATION IMPACT ASSESSMENT

for

Mitsubishi Cement Corporation at Warehouse C:

Bulk Cement Warehouse and Loading Facility Project

(12-Sep-2018)



Prepared for:
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1000-A Ortega Way
Placentia, CA 92870-7162
Ph. 714-632-8521

Prepared by:
Navcon Engineering Network
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Fullerton, CA 92835
Ph. 714-441-3488

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1.0 INTRODUCTION

1.1 Overview

The Mitsubishi Cement Corporation (MCC) has proposed the construction and operation of a Bulk Cement Warehouse and Loading Facility at the Tenth Avenue Marine Terminal (TAMT), San Diego, CA (Proposed Project). Technical studies are being prepared to support the preparation of a Subsequent Environmental Impact Report to the TAMT Final Program Environmental Impact Report (PEIR) by the San Diego Unified Port District (SDUPD). Navcon Engineering Network (Navcon), Fullerton, CA was contracted by Environmental Audit, Inc. (EA) on behalf of MCC to conduct the noise and groundborne vibration impact assessment.

The principal objectives of the noise impact assessment were as follows:

1. to determine whether the noise impact during the facility construction will exceed the Project's thresholds of significance, and
2. to determine whether noise impact associated with the operation of the facility will exceed the Project's thresholds of significance.

The noise impact assessment included the following tasks:

1. Conducting an environmental noise survey to characterize the existing ambient noise environment at the noise-sensitive receptors closest to the Proposed Project (refer to ***Section 4.0***).
2. Developing a three-dimensional acoustical model to predict the noise impact from the construction and the operation of the Proposed Project (refer to ***Section 4.0***).
3. Conducting an analysis to predict the groundborne vibration impact from the construction and the operation of the Proposed Project (refer to ***Section 6.0***).
4. Conducting a noise and groundborne vibration impact assessment by comparing the noise and vibration levels predicted from the construction activities and operation of the Proposed Project with the thresholds of significance (refer to ***Section 5.0***).

The Mitsubishi Cement Corporation noise and vibration impact assessment was conducted by Hans Forschner and Jim Steedman of Navcon Engineering under the direction of Marcia Baverman, Project Manager, Environmental Audit Inc.

1.2 Project Location

The Proposed Project site is located at 645 Switzer Street on the District's TAMT. The TAMT is located along San Diego Bay, south of downtown San Diego, east of the San Diego Convention Center and adjacent to the San Diego community of Barrio Logan. Harbor Drive is located near the northern boundary of the TAMT. Site access from Harbor Drive is provided primarily from Cesar E. Chavez Parkway, which becomes Crosby Road as it approaches the TAMT.

The nearest residence to the Proposed Project is approximately 2,200 feet northeast of Warehouse C. The Perkins Elementary School is 1,700 feet northeast of Warehouse C and Monarch School is 1,600 feet north-east of Warehouse C. The Cesar Chavez Park and the pier are located approximately 1,500 feet southeast of Warehouse C in the Crosby Street Corridor subarea. The entire TAMT area is highly industrialized in character, and no public access is permitted. Refer to ***Aerial Map 1-1*** for a regional map of the Proposed Project location.

1.3 Project Description

The Proposed Project involves phased modifications to Bays C-7 through C-10 of Warehouse C to import and distribute up to 600,000 metric tons per year (MT/yr) of cementitious material. The cementitious material would be pneumatically unloaded into Warehouse C from dry bulk cargo ships using up to two 400 MT per hour mobile vacuum unloaders at maximum operation. The vessels would use Berths 10-7 and 10-8, as shown in ***Aerial Map 1-2***.

1.3.1 Project Construction

There are two Project options to be analyzed, both of which have alternative construction scenarios. Under either of these options, operational throughput of materials and other operational characteristics would remain the same. Option A proposes truck loading inside Warehouse C (***Figure 1-1***) and Option B proposes truck loading outside of Warehouse C (***Figure 1-2***). Under Option A (interior truck loading) and Option B (exterior truck loading), there are two sub-options related to the proposed ship to warehouse unloading pipelines. Sub-Option 1 (Subterranean Pipeline) would allow for cementitious material to be pneumatically transferred to Warehouse C via a subterranean unloading pipeline. Sub-Option 2 (Overhead Pipeline) would allow for cementitious material to be pneumatically transferred to Warehouse C via an overhead unloading pipeline. The pipeline alignment would be the same under both sub-options.

Regardless of which construction options are implemented, construction of the Proposed Project would occur in two phases (Phase I and Phase II). Bays C-7 and C-9 would be upgraded in Phase I. Bays C-8 and C-10 would be upgraded in Phase II. The improvements would involve five principal construction activities including: (1) concrete demolition and excavation, (2) foundation and concrete pouring, (3) roof demolition and repair, (4) installation of mechanical equipment and (5) electrical tie-ins.

The Phase I improvements would take an estimated 7 to 10 months to complete. Phase II construction would be anticipated to begin two to three years after Phase I is operational. And also require 7 to 10 months to implement. At the conclusion of Phase II, the maximum annual throughput would remain the same (600,000 metric-tons per year of cementitious material); however, the additional equipment and storage would allow more flexible operations and improved ability to respond to seasonal and other market fluctuations.

1.3.2 Project Operations

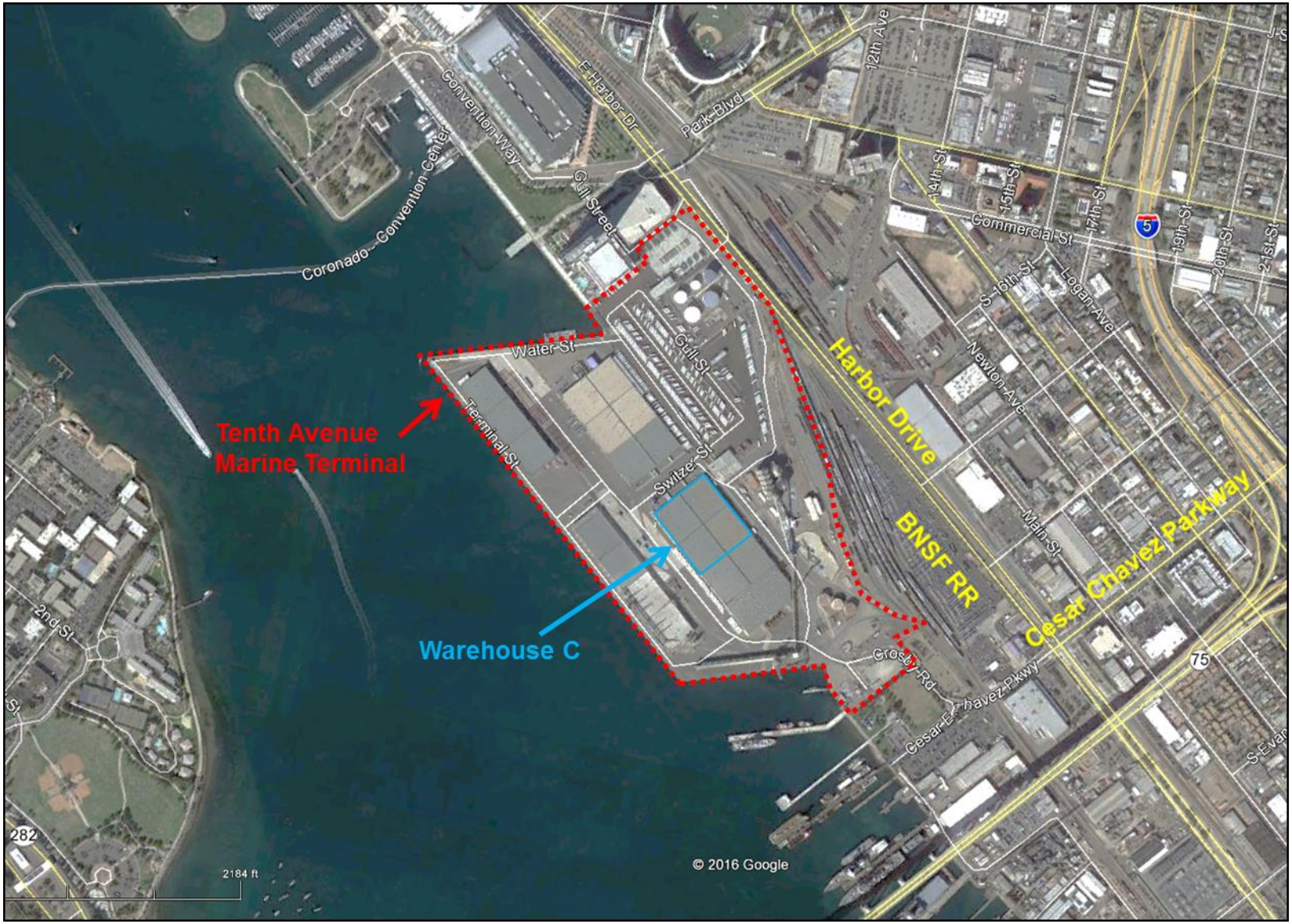
The Proposed Project would become operational following the completion of Phase I construction and have a maximum loading, storage, and distribution capacity of 600,000 MT/yr. Once the Phase I throughput increases, and based upon market demand, Phase II construction would occur. At the conclusion of Phase II, the maximum annual throughput would remain the same; however, the additional equipment and storage would allow more flexible operations (i.e., store multiple cementitious materials concurrently) and improved ability to respond to seasonal and other market fluctuations.

It is estimated that up to 24 vessels would dock at Berths 10-7/10-8 per year. The vessels would be dry-bulk ocean-going vessels with a minimum holding capacity estimated at 20,000 MT to a maximum holding capacity of an estimated 40,000 MT deadweight tonnage (DWT). Hours at berth would vary between 120 hours and 216 hours per vessel depending on the number and size of vacuum unloaders operating. At maximum operation, it is anticipated that each vessel would be at berth for 120 to 168 hours (five to seven days) using two 400 MT per hour vacuum unloaders. The vacuum unloaders would be used to pneumatically transfer the cementitious material to Warehouse C. The vessels would hotel at the berths continuously; however, actual unloading activities would occur for up to 20 hours per day in two work shifts.

At maximum operation, the Proposed Project would be able to unload and distribute up to 600,000 MT of cementitious material per year. The demand for cementitious material fluctuates due to

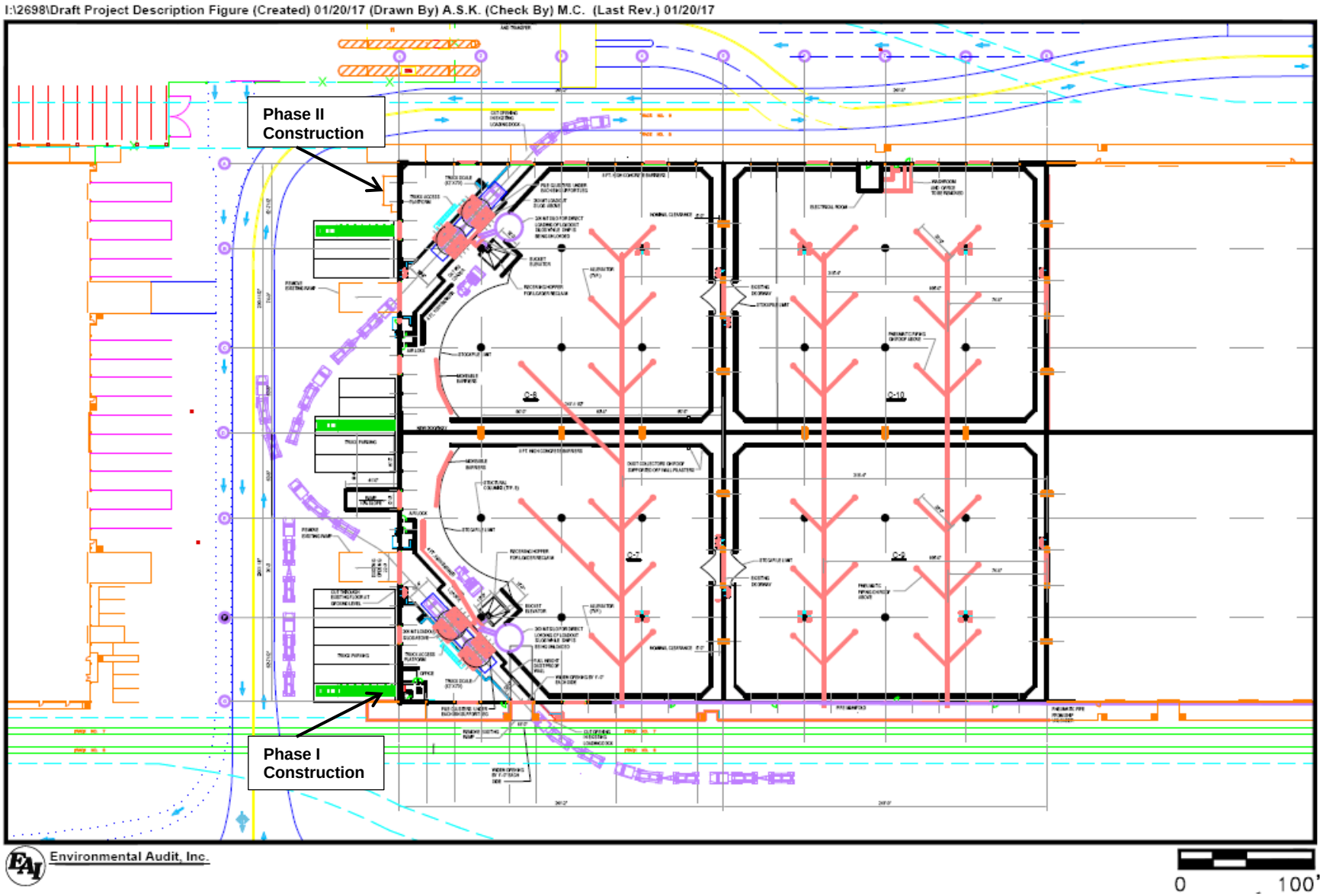
seasonal and economic drivers. However, at full throughput, it is estimated that the facility would generate an estimated 24,000 round-trip truck trips per year. Based on a 600,000 MT/yr. throughput and using trucks with a carrying capacity of 25 MT over 365 days, an annual average of 66 round-trip truck trips per day is anticipated. However, based on maximum loading capabilities, the maximum number of round-trip truck trips from the Proposed Project site would be 176 per day on a peak day, but no more than 145 trucks per day on a 30-day rolling average.

Aerial Map 1-1 Tenth Avenue Marine Terminal (TAMT)



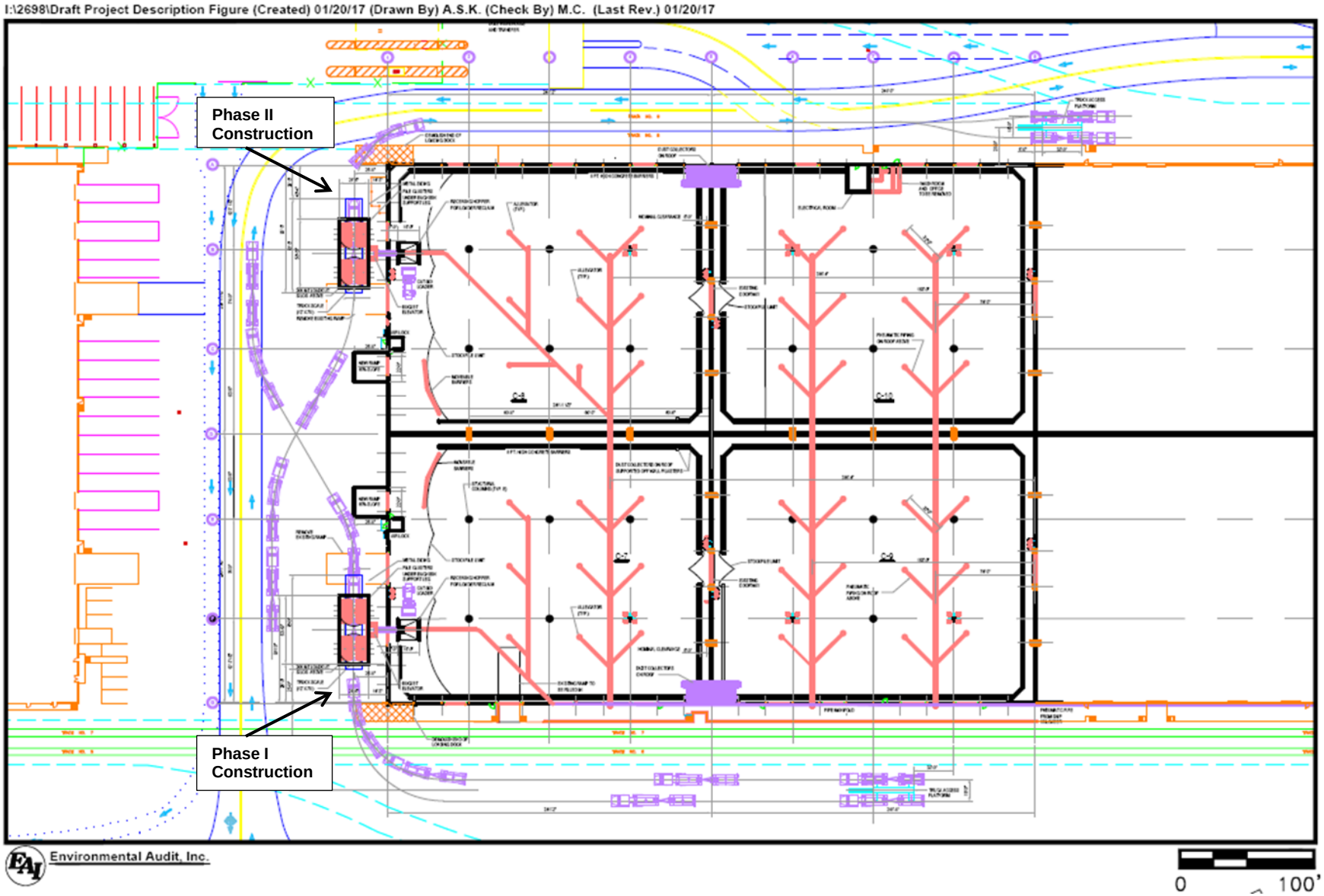
Aerial Map 1-2 TAMT Warehouse C & Berths 10-7 & 10-8

Figure 1-1 Construction Scenario Option A, Truck Loading Facility Truck Inside Warehouse C



Note: ***Figure 1-1*** *shows both the Phase I and Phase II construction.*

Figure 1-2 Construction Scenario Option B, Truck Loading Facility Outside Warehouse C



Note: ***Figure 1-2*** *shows both the Phase I and Phase II construction.*

2.0 NOISE AND VIBRATION METHODOLOGY

2.1 Noise Fundamentals

Noise is often defined as sound that is disturbing or annoying. The objectionable nature of noise can be caused by its pitch or its loudness. Pitch is the height or depth of a tone or sound, depending on the relative rapidity (frequency) of the vibrations by which it is produced. Higher pitched signals sound louder to humans than sounds with a lower pitch. Loudness is the amplitude of sound waves combined with the reception characteristics of the ear. Technical acoustical terms commonly used in this report are defined in ***Table 2-1***.

Table 2-1 Definitions of Acoustical Terms

Term	Symbol	Definition
Decibel (dB)	dB	A unit describing the amplitude of sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure. The reference pressure for air is 20 micro Pascals.
Sound Pressure Level		Sound pressure is the sound force per unit area, usually expressed in micro Pascals (or micro Newtons per square meter), where 1 Pascal is the pressure resulting from a force of 1 Newton exerted over an area of 1 square meter. The sound pressure level is expressed in decibels as 20 times the logarithm to the base 10 of the ratio between the pressures exerted by the sound to a reference sound pressure (e.g., 20 micro Pascals in air). Sound pressure level is the quantity that is directly measured by a sound level meter.
Frequency	Hz	The number of complete pressure fluctuations per second above and below atmospheric pressure. Normal human hearing is between 20 and 20,000 Hz. Infrasonic sounds are below 20 Hz, and ultrasonic sounds are above 20,000 Hz.
A-Weighted Sound Level	dBA	The sound pressure level in decibels as measured on a sound level meter usingthe A-weighting filter network. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with subjective reactions to noise.
Equivalent Noise Level	Leq	The average A-weighted noise level during the measurement period. The hourly Leq used for this report is denoted as dBA Leq(h).
Community Noise Equivalent Level	CNEL	The average A-weighted noise level during a 24-hour day, obtained after the addition of 5 dB to sound levels in the evening from 7 p.m. to 10 p.m. and after the addition of 10 dB to sound levels in the night between 10 p.m. and 7 a.m.
Day/Night Noise Level	Ldn	The average A-weighted noise level during a 24-hour day, obtained after the addition of 10 dB to levels measured in the night between 10 p.m. and 7 a.m.
Statistical Noise Descriptor	L1, L10, L50, L90	The A-weighted noise levels that are exceeded 1, 10, 50, and 90% of the time during the measurement period.
Ambient Noise Level		The composite of noise from all sources near and far. The normal or existing level of environmental noise at a given location.
Intrusive		The noise that intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends upon its amplitude, duration, frequency, time of occurrence, and tonal or informational content as well as the prevailing ambient noise level.

Levels of sound are measured and expressed in decibels (dB). Airborne sound is a rapid fluctuation of air pressure above and below atmospheric pressure. Methods used to measure or quantify sound levels depend on the source, the receiver, and the reason for measurement. The most common metric is the overall A-weighted sound level measurement, which measures sound in a manner similar to the way a person perceives or hears sound, thus achieving a strong correlation for evaluating acceptable and unacceptable sound levels. A-weighted measurement of decibels (expressed as dBA) has been adopted by regulatory bodies worldwide. ***Table 2-2*** shows typical A-weighted noise levels that occur in human environments.

Table 2-2 Typical Noise Levels in the Environment

Noise Level dBA	Extremes	Home Appliances	Speech at 3 Feet	Motor Vehicles at 50 Feet	General Type of Community Environment
120	Jet aircraft at 500 feet				
110					
100		Chainsaw			
90		Power lawnmower		Diesel truck (not muffled)	
80		Shop tools	Shout	Diesel truck (muffled)	
70		Blender	Loud voice	Automobile at 70 mph	Major metropolis
60		Dishwasher	Normal voice	Automobile at 40 mph	Urban (daytime)
50		Air conditioner	Normal voice (back to listener)	Automobile at 20 mph	Suburban (daytime)
40		Refrigerator			Rural (daytime)
30					
20					
10	Threshold of hearing				

Source: Harris Miller Miller & Hanson, Inc. 2003.
mph = miles per hour

Ambient sound levels typically fluctuate over time. A-weighted sound levels are typically measured or presented as Leq, which is defined as the average sound level for a stated period of time. The Leq is commonly used to measure steady-state sound that is usually dominant.

Statistical methods are used to capture the dynamics of a changing acoustical environment. These measurements are typically denoted by Lxx, where xx represents the percentage of time a sound level is exceeded. L90 represents the sound level that is exceeded during 90% of the measurement period; L10 represents the sound level exceeded for 10% of the measurement period. Another sound level expression is Lmax, which is the maximum sound pressure level over a defined period.

Another metric used to determine the effect of environmental noise is the difference in response that people have to daytime and nighttime noise levels. During the evening and at night, exterior background noises are generally lower than daytime levels. However, most household noise also decreases at night and exterior noise becomes more noticeable. Furthermore, most people sleep at night and are more sensitive to intrusive noises at that time. To account for human sensitivity to evening and nighttime noise levels, the day/night noise level (abbreviated as Ldn) and California's Community Noise Equivalent Level (CNEL) were developed. Ldn is a noise metric that accounts for the greater annoyance of noise during nighttime hours (10 p.m. to 7 a.m.). CNEL is a noise index that accounts for the greater annoyance of noise during the evening hours (7 p.m. to 10 p.m.) and nighttime hours.

Ldn is calculated by averaging hourly Leq sound levels for a 24-hour period and applying a weighting factor to the nighttime Leq values. CNEL values are calculated similarly, except that a weighting factor is also added to evening Leq values. The weighting factors, which reflect the increased sensitivity to noise during evening and nighttime hours, are added to each hourly Leq sound level before the 24-hour Ldn or CNEL is calculated. For the purposes of assessing noise, the 24-hour day is divided into three time periods, with the following weightings.

- Daytime hours: 7 a.m. to 7 p.m. (12 hours)—weighting factor = 0 dBA
- Evening hours (for CNEL only): 7 p.m. to 10 p.m. (3 hours)—weighting factor = 5 dBA
- Nighttime hours (for CNEL and Ldn): 10 p.m. to 7 a.m. (9 hours)—weighting factor = 10 dBA

The adjusted time-period noise levels are then averaged to compute the overall Ldn or CNEL value. For a continuous sound source, the Ldn value is easily computed by adding 6.4 dBA to the overall 24-hour sound level (Leq). For example, if the expected continuous sound level from a sound source

is 60.0 dBA, the resulting Ldn from the source would be 66.4 dBA. Similarly, the CNEL for a continuous sound source is computed by adding 6.7 dBA to the overall 24-hour Leq.

The noise metrics, Ldn and CNEL were not used in this analysis since the noise standard is based upon the Leq.

Noise-sensitive receptors (also called “receivers”) are locations where people reside or where the presence of unwanted sound may adversely affect the use of the land. Noise-sensitive receptors typically include residences, hospitals, schools, guest lodging, libraries, parks and certain types of passive recreational uses.

The effects of noise on people can be listed in three general categories.

- Subjective effects of annoyance, nuisance, dissatisfaction
- Interference with activities such as speech, sleep, learning
- Physiological effects such as startling and hearing loss

In most cases, effects from sounds typically found in the natural environment (compared to an industrial or an occupational setting) would be limited to the first two categories: creating an annoyance or interference with activities. No completely satisfactory method exists to measure the subjective effects of sound, or to measure the corresponding reactions of annoyance and dissatisfaction. This lack of a common standard arises primarily from the wide variation in individual thresholds of annoyance and habituation to sound. Therefore, an important way of determining a person’s subjective reaction to a new sound is by comparing it to the existing or “ambient” environment to which that person has adapted. In general, the more the level or tonal (frequency) variations of a sound exceed the previously existing ambient sound level or tonal quality, the less acceptable the new sound will be, as judged by the exposed individual.

The general human response to changes in sound levels having similar frequency content (for example, comparing increases in continuous [Leq] traffic sound levels) is summarized (FHWA 2011) as follows.

- A 3-dB change in sound level is considered a barely noticeable difference.
- A 5-dB change in sound level is considered discernible, or readily noticeable.
- A 10-dB change in sound level is considered to be a doubling in loudness.

Equipment and vehicle operation during nighttime hours can potentially result in noise events that disturb the sleep of people living in nearby residential areas. Interior noise levels between 50 and 55 dBA Lmax during nighttime hours (10 p.m. to 7 a.m.) were found to result in sleep disturbance and annoyance (Nelson 1987).

2.2 Source – Transmission Path – Receiver model

The conventional approach for conducting environmental noise impact analyses incorporates a "source – transmission path – receiver" model as shown in ***Figure 2-1***.

Figure 2-1 Source – Transmission Path – Receiver Model

Lp = Lw - Adir - Adiv - Aair - Agr - Ab - Aref - Amet - Amit

- **Lp** Sound Pressure Level at the receiver
- **Lw** Sound Power Level generated by the noise source
- **Adir** Attenuation due to the sound source directivity
- **Adiv** Attenuation due to the distance between the source and the receiver (referred to as Geometrical Spreading)
- **Aair** Attenuation due to air absorption
- **Agr** Attenuation due to ground effects (reflections and absorption)
- **Ab** Attenuation due to barriers, buildings, berms, ground terrain, etc.
- **Aref** Attenuation due to reflections
- **Amet** Attenuation due to meteorological effects
- **Amit** Attenuation due to mitigation areas such as forests, housing, etc.

Sound Sources: Sound sources are typically characterized in terms of their sound power level (Lw), frequency content, acoustic radiation pattern and the time/duration of operation. The source sound power can be determined by analysis or measured using a variety of methods including a reference sound power source, sound intensity, sound pressure or a reference sound pressure level. There are also numerous reference papers which list the sound power emission and frequency content for common sources. Sound sources are usually categorized as being point sources, line sources or area sources. Some examples of point sources include stationary construction equipment, HVAC

systems, power generators, idling trucks, etc. The sound level from point sources attenuates (or drops off) at a rate of 6 dBA for each doubling of distance. Some examples of line sources include arterial traffic, rail traffic, conveyor systems, roller coasters, etc. The sound level from line sources attenuates (or drops off) at a rate of 3 dBA for each doubling of distance. Some examples of area sources include sound in ducts, the side of a cooling tower, etc. The sound attenuation for area sources depends upon a number of factors but typically varies between 0 dB and 6 dB per doubling of distance.

Sound Transmission Path: The sound transmission path describes the propagation of sound energy between the source and the receiver. As the sound propagates from the source to the receiver the acoustical energy is attenuated by various mechanisms (distance/geometrical spreading, air absorption, ground absorption, shielding of barriers, reflections, etc.) In some circumstances the transmission path can be measured but most often it is based upon a set of sound attenuation terms (Adir, Adv, Aair, etc.) It is critical that the attenuation terms are consistent with the noise model. There are numerous national and international standards which describe consistent sound propagation algorithms (e.g., Transportation Noise Model, VDI 2714/2720, ISO 9613-1/9613-2, etc.) Combined with a calculation engine, these standards provide traceability for noise impact analysis.

Sound Receivers: Sound receivers are the locations at which the Project noise impact is predicted. Some sound receivers may be selected to be “noise-sensitive receptors”; they are locations where people reside or where the presence of unwanted sound may adversely affect the use of the land. Noise-sensitive receptors typically include residences, hospitals, schools, guest lodging, libraries, and certain types of passive recreational uses. The Project noise level predicted at noise-sensitive receptors is compared with the Project’s “Thresholds of Significance” to determine whether a noise impact would be significant.

2.3 Environmental Groundborne Vibration Fundamentals

In contrast to airborne sound, groundborne vibration is not a phenomenon that most people experience every day. The ambient vibration velocity level in residential areas is usually much lower than the threshold of human perception. Most perceptible indoor vibration is caused by sources within buildings, such as mechanical equipment while in operation, people moving, or doors slamming. Typical outdoor sources of perceptible groundborne vibration are construction equipment, steel-wheeled trains, and traffic on rough roads. Dynamic construction equipment, such

as pile drivers, can create vibrations that radiate along the surface and downward into the earth. These surface waves can be felt as groundborne vibration. Vibration can result in effects that range from annoyance to structural damage. Variations in geology and distance result in different vibration levels with different frequencies and displacements.

Groundborne vibration can be described in terms of peak particle velocity (PPV). PPV is defined as the maximum instantaneous positive or negative peak amplitude of the vibration velocity. The unit of measurement for PPV is inches per second (in/s).

3.0 APPLICABLE LAWS AND REGULATIONS

3.1 Federal Standards

The Federal Noise Control Act of 1972 (Public Law 92 574) established a requirement that all federal agencies administer their programs to promote an environment free of noise that would jeopardize public health or welfare. The U.S. Environmental Protection Agency (EPA) was given responsibility for the following.

- Providing information to the public regarding identifiable effects of noise on public health and welfare
- Publishing information on the levels of environmental noise that will protect the public health and welfare with an adequate margin of safety
- Coordinating federal research and activities related to noise control
- Establishing federal noise emission standards for selected products distributed in interstate commerce

As part of its responsibility, EPA published Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety in 1974 (EPA 1974). This report identifies sound levels less than or equal to 55 Ldn as being appropriate outdoors for residential areas and other places in which quiet is a basis for uses to avoid annoyance and interference with outdoor activity (EPA 1974).

3.2 State Regulations

California requires each local government entity to perform noise studies and implement a noise element as part of its general plan. State land use guidelines for evaluating the compatibility of various land uses as a function of community noise exposure are presented in ***Section 3.3***.

Part 2, Title 24 of the California Code of Regulations, “California Noise Insulation Standards”, establishes minimum noise insulation standards to protect people in new hotels, motels, dormitories, long-term care facilities, apartment houses, and dwellings other than single-family residences. Under this regulation, interior noise levels attributable to exterior noise sources cannot exceed 45 Ldn in any habitable room. Assuming a sound insertion loss between the exterior and interior construction to be 20 decibels, the exterior noise level cannot exceed 65 Ldn.

3.3 Local

City of San Diego Municipal Code 59.5.0401 (Noise Ordinance)

The Noise Ordinance makes it unlawful for any person to cause noise by any means to the extent that the 1-hour average sound level exceeds the applicable limit given in ***Table 3-1***, at any location in the City of San Diego on or beyond the boundaries of the property on which the noise is produced.

Table 3-1 Applicable City Noise Limits

Land Use Zone		Time of Day	One hour Average Sound Level (dBA)
1	Single Family Residential	7 a.m. to 7 p.m. 7 p.m. to 10 p.m. 10 p.m. to 7 a.m.	50 45 40
2	Multi-Family Residential (Up to a maximum density of 1/2000)	7 a.m. to 7 p.m. 7 p.m. to 10 p.m. 10 p.m. to 7 a.m.	55 50 45
3	All Other Residential	7 a.m. to 7 p.m. 7 p.m. to 10 p.m. 10 p.m. to 7 a.m.	60 55 50
4	Commercial	7 a.m. to 7 p.m. 7 p.m. to 10 p.m. 10 p.m. to 7 a.m.	65 60 60
5	Industrial or Agricultural	Any time	75

Source: SDMC §59.5.0401

City of San Diego Municipal Code 59.5.0404 (Construction Noise)

The City's Noise Ordinance also regulates construction noise levels. Specifically, construction that creates disturbing, excessive or offensive noise is prohibited between the hours of 7:00 p.m. of any day and 7:00 a.m. of the following day, and on legal holidays as specified in Section 21.04 of the San Diego Municipal Code, with exception of Columbus Day and Washington's Birthday, and on Sundays unless a permit is granted by the Noise Abatement and Control Administrator. In granting

a permit, the Administrator must consider whether the construction noise in the vicinity of the proposed work site would be less objectionable at night than during the daytime because of different population densities or different neighboring activities; whether obstruction and interference with traffic particularly on streets of major importance, would be less objectionable at night than during the daytime; whether the type of work to be performed emits noises at such a low level as to not cause significant disturbances in the vicinity of the work site; the character and nature of the neighborhood of the proposed work site; whether great economic hardship would occur if the work were spread over a longer time; whether proposed night work is in the general public interest; and the Administrator shall prescribe such conditions, working times, types of construction equipment to be used, and permissible noise levels as the Administrator deems to be required in the public interest. Except under special circumstances related to emergency work as detailed in the Noise Ordinance, construction activity that creates an average sound level greater than 75 decibels during the 12-hour period from 7:00 a.m. to 7:00 p.m. at or beyond the property lines of any property zoned residential is prohibited by ordinance.

3.4 City of San Diego Significance Determination Thresholds

As identified in the Final TAMT Program EIR, the City of San Diego has created guidance for determination of CEQA significance levels, including what would constitute a significant noise impact (California Environmental Quality Act, Significance Determination Thresholds, Development Services Department). These thresholds are used in the analysis and impacts would be considered significant if the project would result in any of the following.

1. Expose persons to or generate noise levels in excess of standards established in the City of San Diego's Significance Determination Thresholds and/or the City's Noise Ordinance.
2. Expose persons to or generate excessive groundborne vibration or groundborne noise levels.
3. Result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project.
4. Result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project.
5. Expose people residing or working in the project area within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, to excessive noise levels.

6. Expose people residing or working in the project area within the vicinity of a private airstrip to excessive noise levels.

The analysis of whether the proposed Project would have a significant impact associated with noise and vibration under Thresholds 5 and 6 was provided in both the TAMT Final PEIR as well as in the Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project Initial Study (September 2017, State Clearinghouse # 2017091051) previously prepared. As summarized in the Initial Study, the Proposed Project would not construct any habitable structures and would not attract large numbers of people to the Project area. In addition, the Proposed Project site is not located within the Forecast Noise Exposure areas identified in Exhibit 2-1 (Noise Contour Map) of the San Diego International Airport (SDIA) Airport Land Use Compatibility Plan (SDIA, 2014). Therefore, the Proposed Project would not expose people residing or working in the Project area to excessive airport noise. In addition, the Proposed Project is not located within the vicinity of a private airstrip. These conclusions related to airport noise is consistent with the findings of the TAMT Final Program EIR. Therefore, only Thresholds 1 through 4 are discussed in this Noise and Vibration Impact Assessment.

Project Operations Noise Thresholds

A project that would generate noise levels at the property line that exceed the City's Noise Ordinance Standards is considered potentially significant. If a non-residential use, such as commercial, industrial, or school use, is proposed to abut an existing residential use, the decibel limit at the property line should be the arithmetic mean of the decibel levels allowed for each use as set forth in Section 59.5.0401 of the Municipal Code. It is noted that, even if project noise levels comply with the arithmetic mean noise limits permitted by the City's Noise Ordinance Standards, it is still possible that daily noise levels could exceed 65 dBA CNEL at the residential property line, which could be considered a significant environmental impact. For the purposes of this analysis, hotels are considered a commercial use in the context of the City's noise ordinance. The Project operation noise thresholds for the eight (8) sensitive land use receptors are listed in ***Table 3-2***.

Table 3-2 Project Operations Noise Thresholds

		Thresholds of Significance			
ID#	**Receptor Location**	**7 am - 7 pm**	**7 pm - 10 pm**	**10 pm - 7 am**	**Notes**
NMT #1	Coronado Island Marriott Resort & Spa	60.0	60.0	50.0	The thresholds are based on the City of Coronado noise limits for Hotels and Motels (7 am to 7 pm, 7 pm to 10 pm and 10 pm to 7 am).
NMT #2	Cesar Chavez Park	60.0	60.0	- - -	There is no City of San Diego municipal code standard for park use. The noise thresholds for this park are based on the arithmetic mean of the City of San Diego noise ordinance standards of 75 dBA Leq for industrial use and the 45 dBA Leq for single family residential use and the park closing hour of 10:00 pm.
RNM #1	1861 Newton Ave.	57.5	57.5	57.5	The noise thresholds are based on the arithmetic mean of City of San Diego noise ordinance standards of 75 dBA Leq for industrial use and 40 dBA Leq for single family residential use during nighttime hours (10:00pm to 7:00am).
RNM #2	Perkins Elementary School	62.5	- - -	- - -	There is no City of San Diego municipal code standard for school use. The thresholds are based on the arithmetic mean of City of San Diego noise ordinance standards of 75 dBA Leq for industrial use and 50 dBA Leq for single family residential use during daytime hours (7:00 am to 7:00 pm).
RNM #3	Monarch School	62.5	- - -	- - -	There is no City of San Diego municipal code standard for school use. The thresholds are based on the arithmetic mean of City of San Diego noise ordinance standards of 75 dBA Leq for industrial use and 50 dBA Leq for single family residential use during daytime hours (7:00 am to 7:00 pm).
- - -	Hilton Hotel	67.5	67.5	67.5	There is no City of San Diego municipal code standard for hotel use. The thresholds are based on the arithmetic mean of City of San Diego noise ordinance standards of 75 dBA Leq for industrial use and 60 dBA Leq for commercial use during nighttime hours (10:00pm to 7:00am).
- - -	Bayfront Park	60.0	60.0	- - -	There is no City of San Diego municipal code standard for park use. The noise thresholds for this park are based on the arithmetic mean of the City of San Diego noise ordinance standards of 75 dBA Leq for industrial use and the 45 dBA Leq for single family residential use and the park closing hour of 10:00 pm.
- - -	Embarcadero Marina Park South	60.0	60.0	- - -	There is no City of San Diego municipal code standard for park use. The noise thresholds for this park are based on the arithmetic mean of the City of San Diego noise ordinance standards of 75 dBA Leq for industrial use and the 45 dBA Leq for single family residential use and the park closing hour of 10:00 pm.

***Note**: According to the City of San Diego and as described in the Final TAMT Program EIR, a project that would generate noise levels at the property line that exceed the City's Noise Ordinance Standards (refer to **Table 3-1**) is considered potentially significant. The sound level limit along the boundary line between two zoning districts is the arithmetic mean of the respective limits for the two districts. The Coronado Island Marriott Resort & Spa is located in the City of Coronado and therefore the noise limits are based upon the Coronado Municipal Code, Title 41, "Noise Abatement and Control Regulations".*

Temporary Construction Noise Thresholds

Temporary construction noise that exceeds 75 dBA Leq at a sensitive receptor would be considered significant. Construction noise levels measured at or beyond the property lines of any property zoned residential cannot exceed an average sound level greater than 75 dB during the 12-hour period from 7 a.m. to 7 p.m. In addition, construction activity is prohibited between the hours of 7 p.m. of any day and 7 a.m. of the following day or on legal holidays as specified in Section 21.04 of the San Diego Municipal Code. The City of Coronado construction noise limit is also 75 dBA and construction activity is limited to the hours of 7 a.m. to 7 p.m**.**

Groundborne Vibration Threshold

Because neither the District nor the City maintains regulatory standards for vibration sources, human annoyance and potential structural damage associated with vibration from construction activities are based on Caltrans vibration limits (see ***Table 3-3***). A vibration level of 0.04 inch per second peak particle velocity (PPV) was used to evaluate impacts on nearby receptors because this is the level at which transient vibrations begin to become perceptible.

Table 3-3 Reaction of People and Structures to Groundborne Vibration

Human Response	Maximum PPV (in/Sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Barely Perceptible	0.04	0.01
Distinctly Perceptible	0.25	0.04
Strongly Perceptible	0.90	0.10
Severe	2.00	0.40

Source: Caltrans 2013

Structure and Condition	Maximum PPV (in/Sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.20	0.10
Historic and some old buildings	0.50	0.25
Older residential structures	0.50	0.30
New residential structures	1.00	0.50
Modern industrial/commercial buildings	2.00	0.50

***Note**: Equipment or activities typical of continuous vibration include excavation equipment, static compaction equipment, traffic on a highway, vibratory pile drivers, pile-extraction equipment, and vibratory compaction equipment. Equipment or activities typical of single-impact (transient) or low-rate repeated impact vibration include impact pile drivers, blasting, drop balls, "pogo stick" compactors, and crack-and-seat equipment.*

3.5 City of Coronado Municipal Code Noise Limits

The Marriot Coronado Resort is located in the City of Coronado. It is unlawful for any person to cause noise by any means to the extent that the one-hour average sound level exceeds the

applicable limit given in the following table, at any location in the City of Coronado on or beyond the boundaries of the property on which the noise is produced.

Table 3-4 City of Coronado Property Line Noise Limits

Land Use Zone	Time of Day	One hour Average Sound Level (dBA)
Commercial (C); Commercial Recreation (C-R); Hotel/Motel (H-M); Civic Use (C-U); Open Space (OS); and Parking Overlay (P-1)	7 a.m. to 7 p.m.	60
	7 p.m. to 10 p.m.	60
	10 p.m. to 7 a.m.	50

Source: City of Coronado Municipal Code, 41.10.010 Property line noise limits

The City of Coronado Municipal Code does not include a construction noise limit for commercial properties. The property line construction noise limit on any property zoned residential is an average 75 dBA during a one-hour period any time between the hours of 7:00 a.m. to 7:00 p.m. unless a variance has been applied for and granted by the Noise Control Officer.

4.0 EXISTING NOISE CONDITIONS

Noise-sensitive land uses are generally defined as locations where people reside or where the presence of unwanted sound could otherwise adversely affect the use of the land. As described above, noise-sensitive land uses typically include residences, hospitals, schools, libraries, and certain types of passive recreational uses (e.g., Caesar Chaves Park, Bayfront Park and Embarcadero Marina Park South).

An environmental noise survey was conducted February 16-17, 2017 to characterize the ambient noise environment at five (5) of the eight (8) noise-sensitive land uses surrounding the Mitsubishi Cement Corporation Bulk Cement Warehouse and Loading Facility Project (Coronado Island Marriott Resort, Cesar Chavez Park, the residence at 1861 Newton Ave. Perkins Elementary School and Monarch School). The ambient noise level reported at the Hilton Bayfront Hotel, the Bayfront Park and the Embarcadero Marina Park South are from the Final TAMT Program EIR, Part 2 of 4, Tables 4.9-11 & 4.9-13. The data was recorded April 6-7, 2015.

The data was collected using two noise monitoring terminals (NMTs) and one roving noise monitor (RNM). The NMTs were stationary and collected data continuously over a 24 hour period (16-Feb-2017 10 am to 17-Feb-2017 10 am). The RNM was moved between locations sampling the noise for 15 minutes per hour on 16-Feb-2017 (8 am, 10 am, 1 pm, 5 pm & 10 pm) and 17-Feb-2017 (2 am).

The noise monitoring systems were based upon Larson Davis (LD) 831 analyzers and precision outdoor microphones. The 831's are calibrated at a National Institute of Standards Technology (NIST) traceable laboratory on a periodic basis and the sensitivities were checked using a NIST traceable Bruel & Kjaer (B&K) Type 4230 Sound Level Calibrator immediately prior to and following the noise survey.

The five measurement locations are listed below and shown in ***Aerial Map 4-1*** and ***Photo 4-1*** through ***Photo 4-5***.

1. **NMT #1** - Coronado Island Marriott Resort & Spa, 2000 Second Street, Coronado, CA 92118. The noise monitor was setup on the balcony of Room 383.
2. **NMT #2** - Cesar Chavez Park, 1449 Cesar E. Chavez Pkwy, San Diego, CA 92101. The noise monitor was located next to the property line wall on the north side of Cesar Chavez Park.

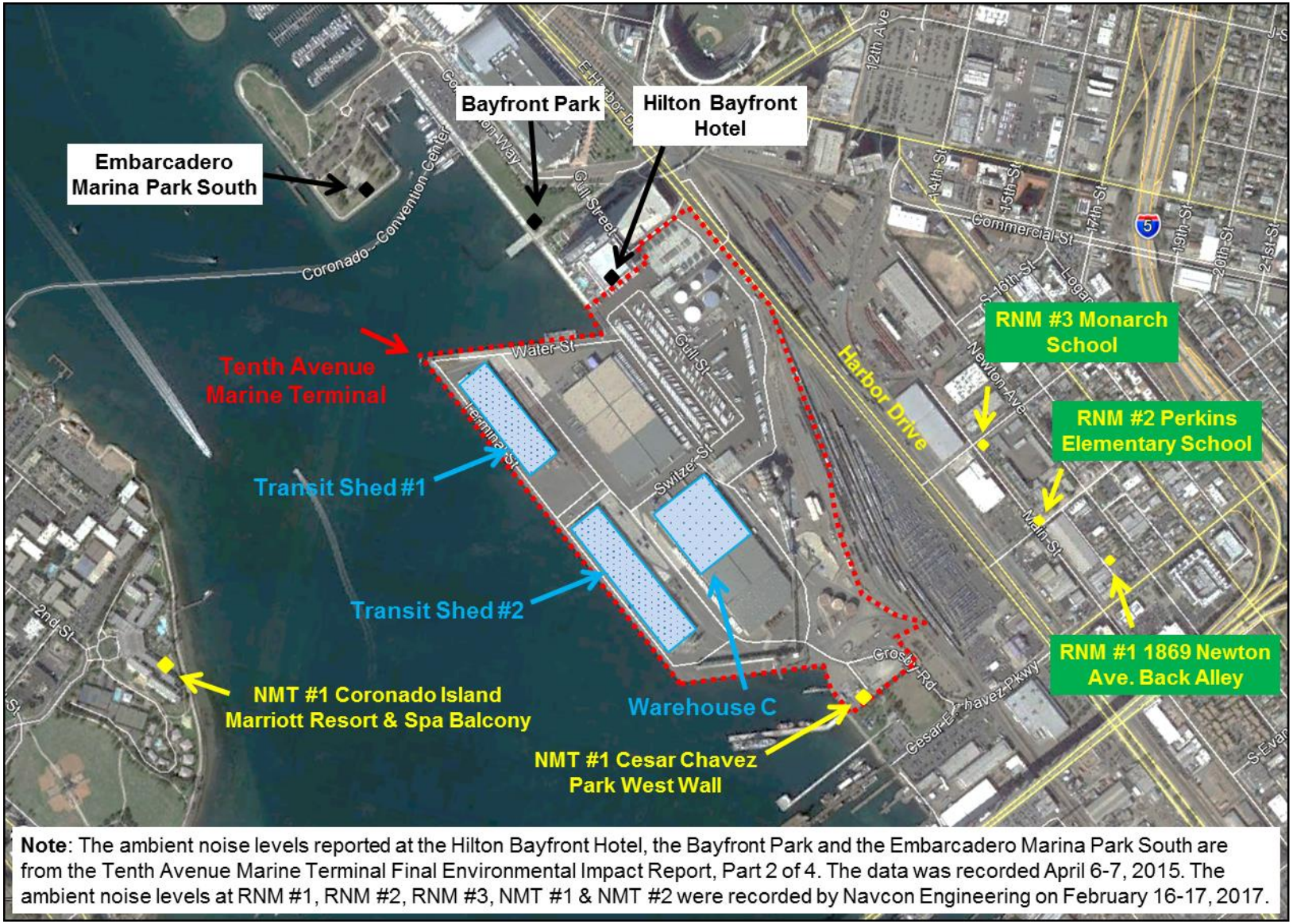
3. **RNM #1** - Residential property, 1861 Newton Ave., San Diego, CA 92113. The noise monitoring location was on the South-West property line in the alley behind the house.

4. **RNM #2** - Perkins Elementary School, 1770 Main St, San Diego, CA 92113. The noise monitoring location was on the North corner of Main Street and Beardsley Street.

5. **RNM #3** - Monarch School, 1625 Newton Ave, San Diego, CA 92113. The noise monitoring location was on the West corner of Main Street and Sigsbee Street.

The three LD 831 analyzers were time synchronized and configured to acquire 1/3 octave band frequency spectra, statistical noise parameters (L90, L50, L25, L8.33, L1.6, L0), equivalent sound pressure levels (Leq), maximum levels (Lmax) and minimum levels (Lmin). The maximum noise level (Lmax), the average noise level (Leq) and the ninety percent noise level (L90) recorded at five of the eight (8) noise-sensitive land use locations are presented in ***Graphic 4-1*** through ***Graphic 4-5***. [*Note, the ambient noise level reported at the sixth, seventh and eighth noise sensitive land use locations, the Hilton Bayfront Hotel, the Bayfront Hotel and the Embarcadero Marina Park South are from the Final TAMT Program EIR, Part 2 of 4, Tables 4.9-11 & 4.9-13. The data was recorded April 6-7, 2015.*]

Aerial Map 4-1 Noise Measurement Locations



Note: The ambient noise levels reported at the Hilton Bayfront Hotel, the Bayfront Park and the Embarcadero Marina Park South are from the Tenth Avenue Marine Terminal Final Environmental Impact Report, Part 2 of 4. The data was recorded April 6-7, 2015. The ambient noise levels at RNM #1, RNM #2, RNM #3, NMT #1 & NMT #2 were recorded by Navcon Engineering on February 16-17, 2017.

Photo 4-1 Noise Receptor – Coronado Island Resort [NMT #1]

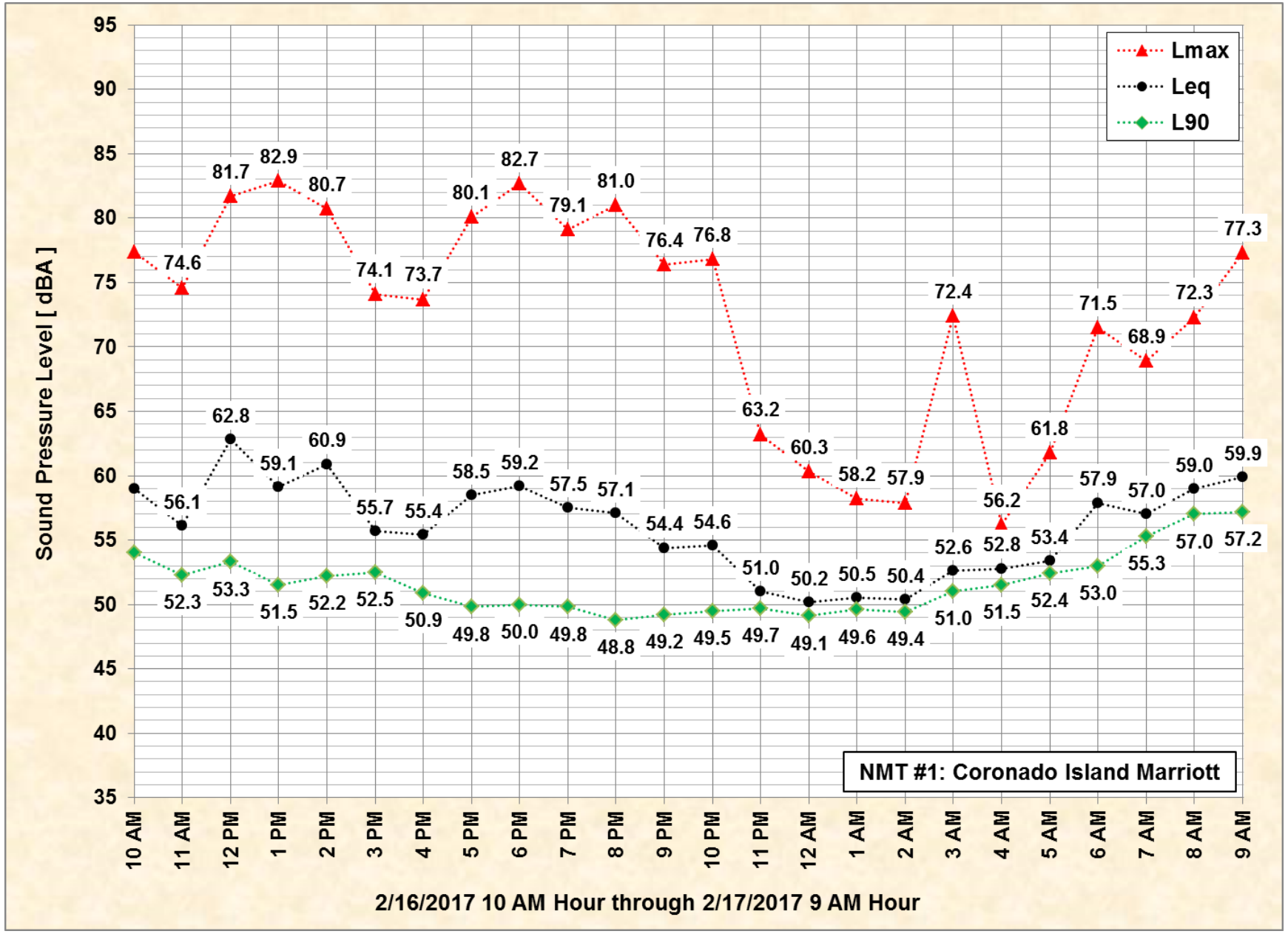
Photo 4-2 Noise Receptor – Cesar Chavez Park [NMT #2]

Photo 4-3 Noise Receptor – 1861 Newton Ave. Back Alley [RNM #1]

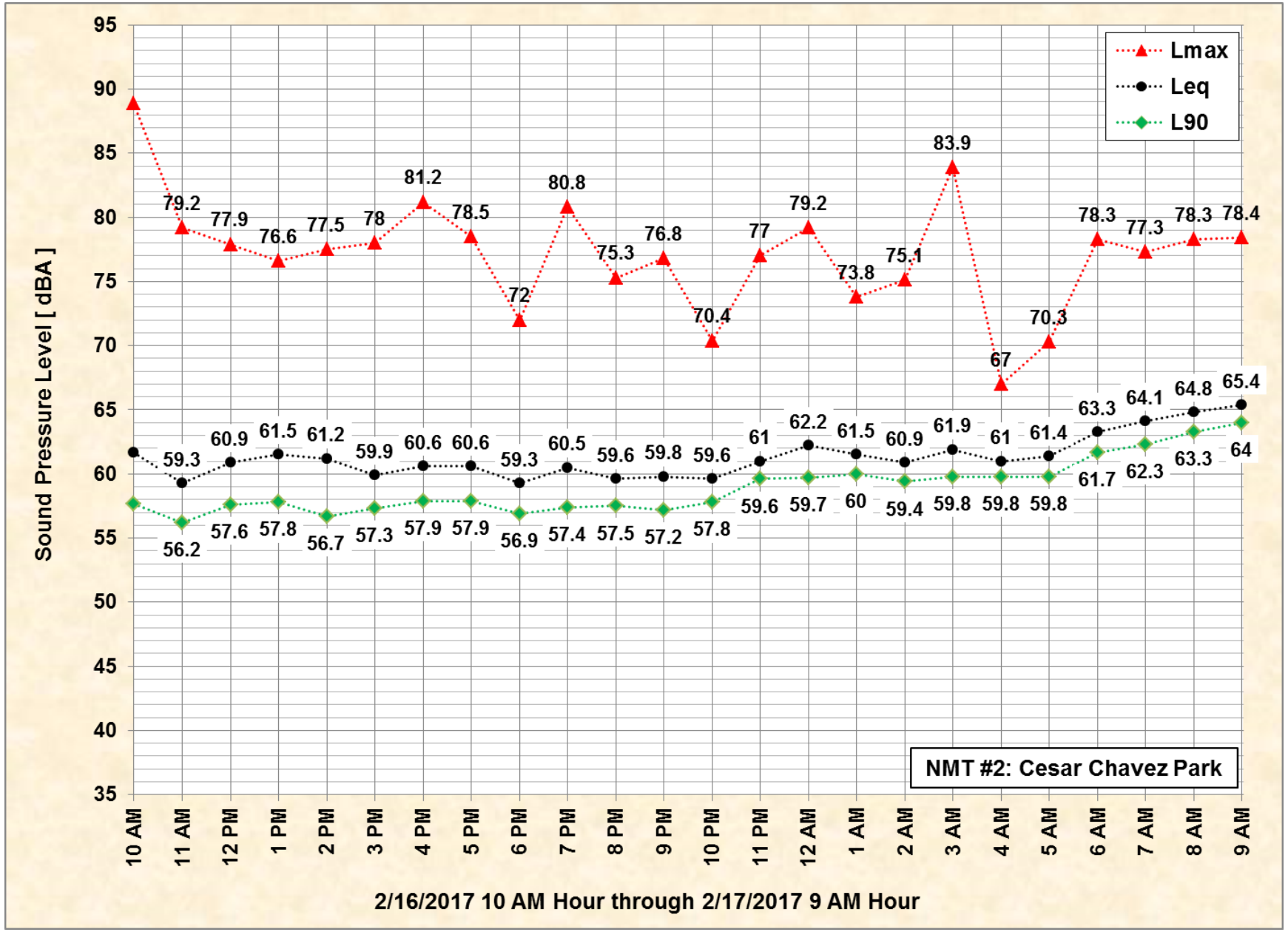
Photo 4-4 Noise Receptor – Perkins Elementary School [RNM #2]

Photo 4-5 Noise Receptor – Monarch School [RNM #3]

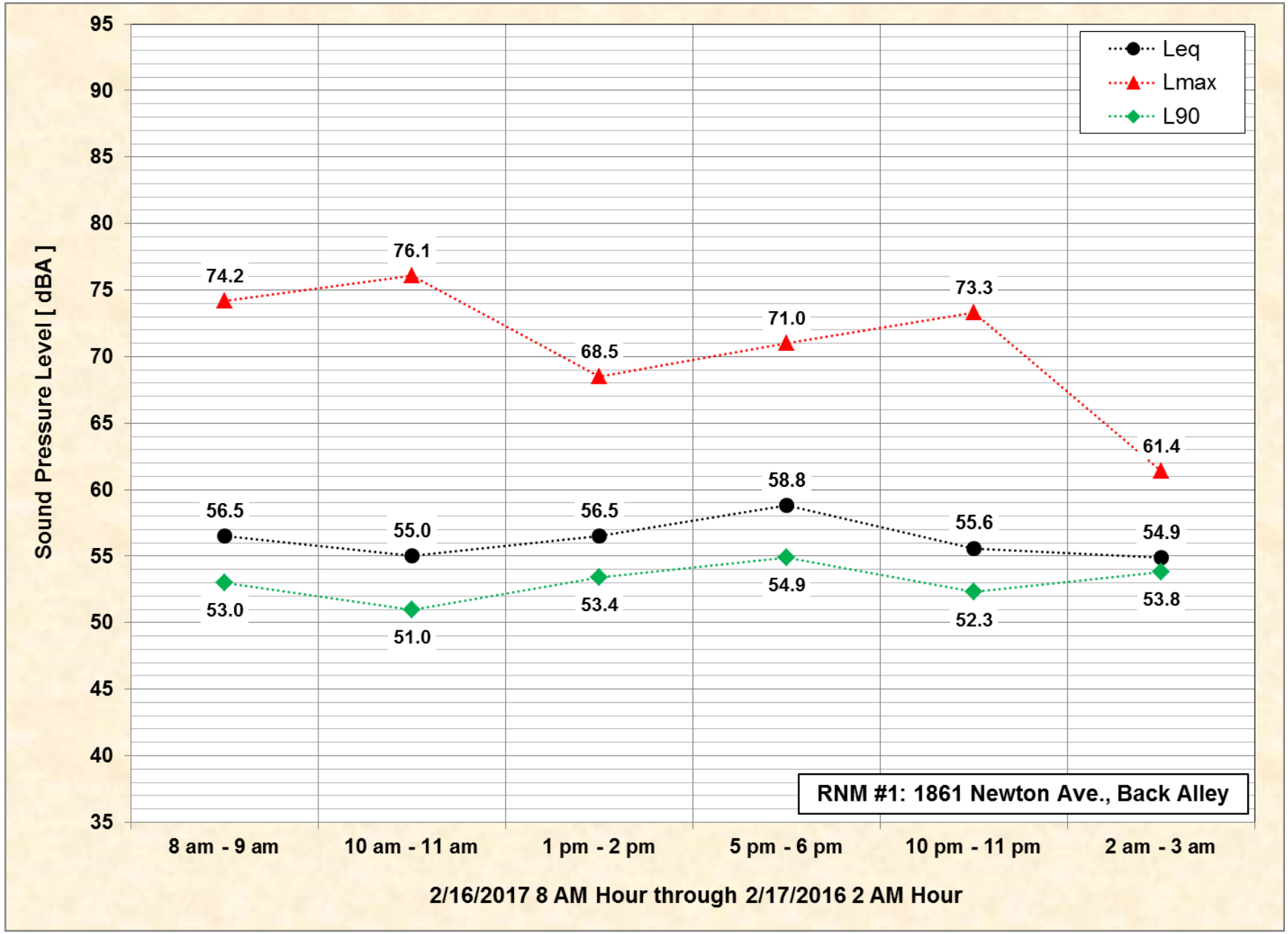
Graphic 4-1 Measured Ambient Noise Levels – NMT #1, Coronado Island Marriott



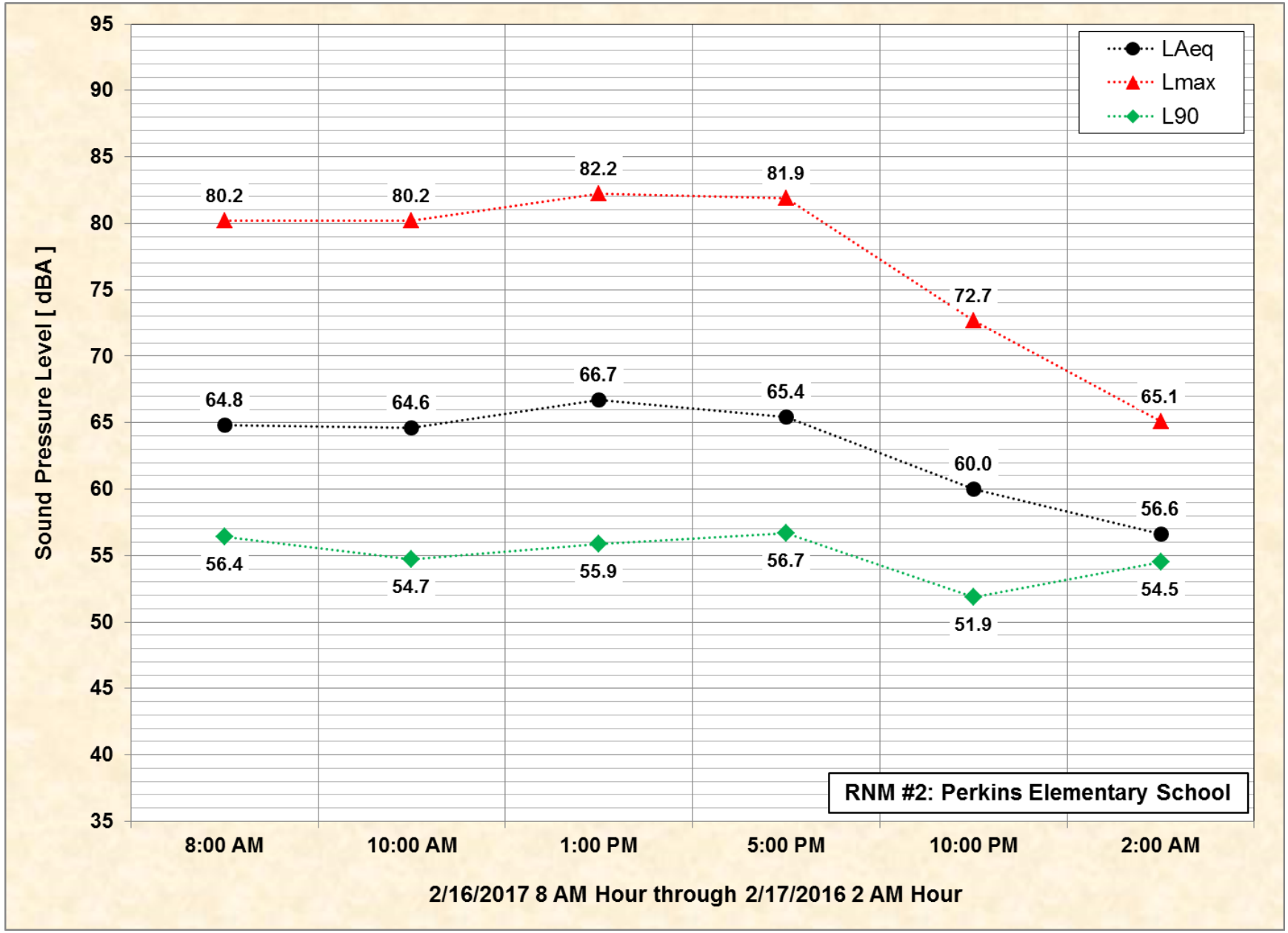
Graphic 4-2 Measured Ambient Noise Levels – NMT #2, Cesar Chavez Park



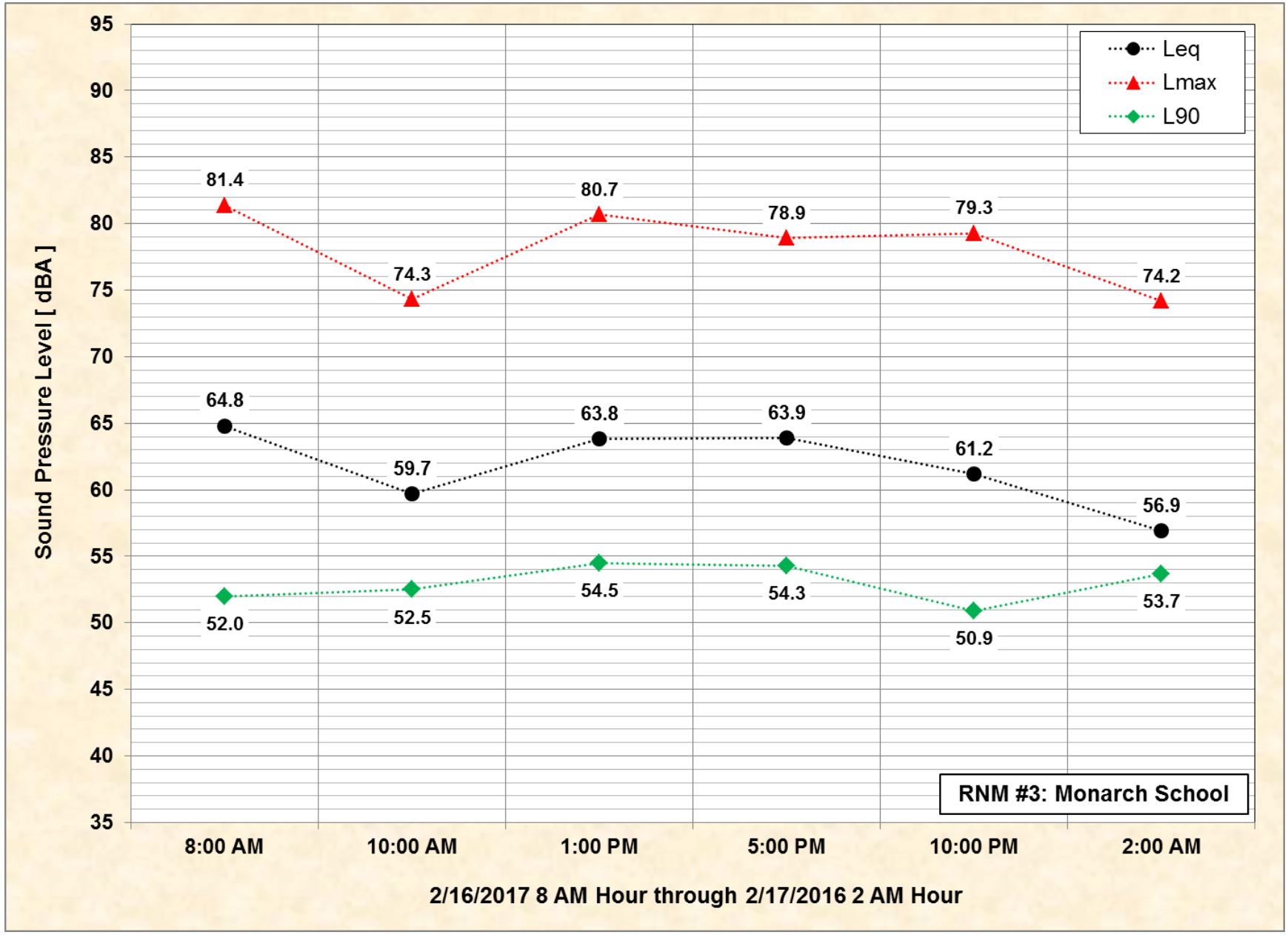
Graphic 4-3 Measured Ambient Noise Levels – RNM #1, 1861 Newton Ave.



Graphic 4-4 Measured Ambient Noise Levels – RNM #2, Perkins Elementary School



Graphic 4-5 Measured Ambient Noise Levels – RNM #3, Monarch School



5.0 THREE DIMENSIONAL NOISE MODEL AND PREDICTIONS

Three dimensional noise models of the Proposed Project and the surrounding communities were developed using the noise modeling software, SoundPLAN. SoundPLAN is a standards based program with more than twenty national and international noise modeling guidelines. The program is used principally for noise planning, noise prediction and noise control.

The noise model geometries for the Project Construction, Operation Option A and Operation Option B are presented in ***Figure 5-1*** through ***Figure 5-7***. The ground topography data was imported into SoundPLAN from Google Earth (date code 11-Nov-2016). The building heights were estimated based upon 3D building renderings in Google Earth (date code 11-Nov-2016).

The construction equipment sound power emission levels are listed in ***Table 5-1***. The operational equipment sound power emission levels are listed in ***Table 5-2***.

The noise model predictions were made using the algorithms and methods described in the following noise prediction standards.

- ISO 9613-1, Acoustics - Attenuation of sound during propagation outdoors - Part 1: Calculation of the absorption of sound by the atmosphere
- ISO 9613, Acoustics -- Attenuation of sound during propagation outdoors - Part 2, Acoustics - Attenuation of Sound During Propagation Outdoors

All acoustically significant structures (i.e., those structures which affect the sound propagation) were modeled as reflective surfaces with edge-diffraction. The city streets, parking lots and water were modeled as totally reflective surfaces with an absorption coefficient of 0.0. The parks and grassy areas were modeled with an absorption coefficient of 0.8. The noise sources are shown as red spheres (point sources), red lines (line sources) and purple surfaces (area sources). The calculations were run with an air pressure of 1013 mbar, a relative humidity of 50% and a temperature of 20 ºC (i.e., 68 ºF).

The daytime, evening and nighttime Leq levels, CNEL & Ldn levels predicted at the eight (8) sensitive receiver locations are listed in ***Table 5-3*** through ***Table 5-9***. Noise contour maps showing the daytime, evening and nighttime Leq levels are presented in ***Noise Map 5-1*** through ***Noise Map 5-15***.

Figure 5-1 Three Dimensional Noise Model, Phase I Construction (Sub-Option 1 and Sub-Option 2)

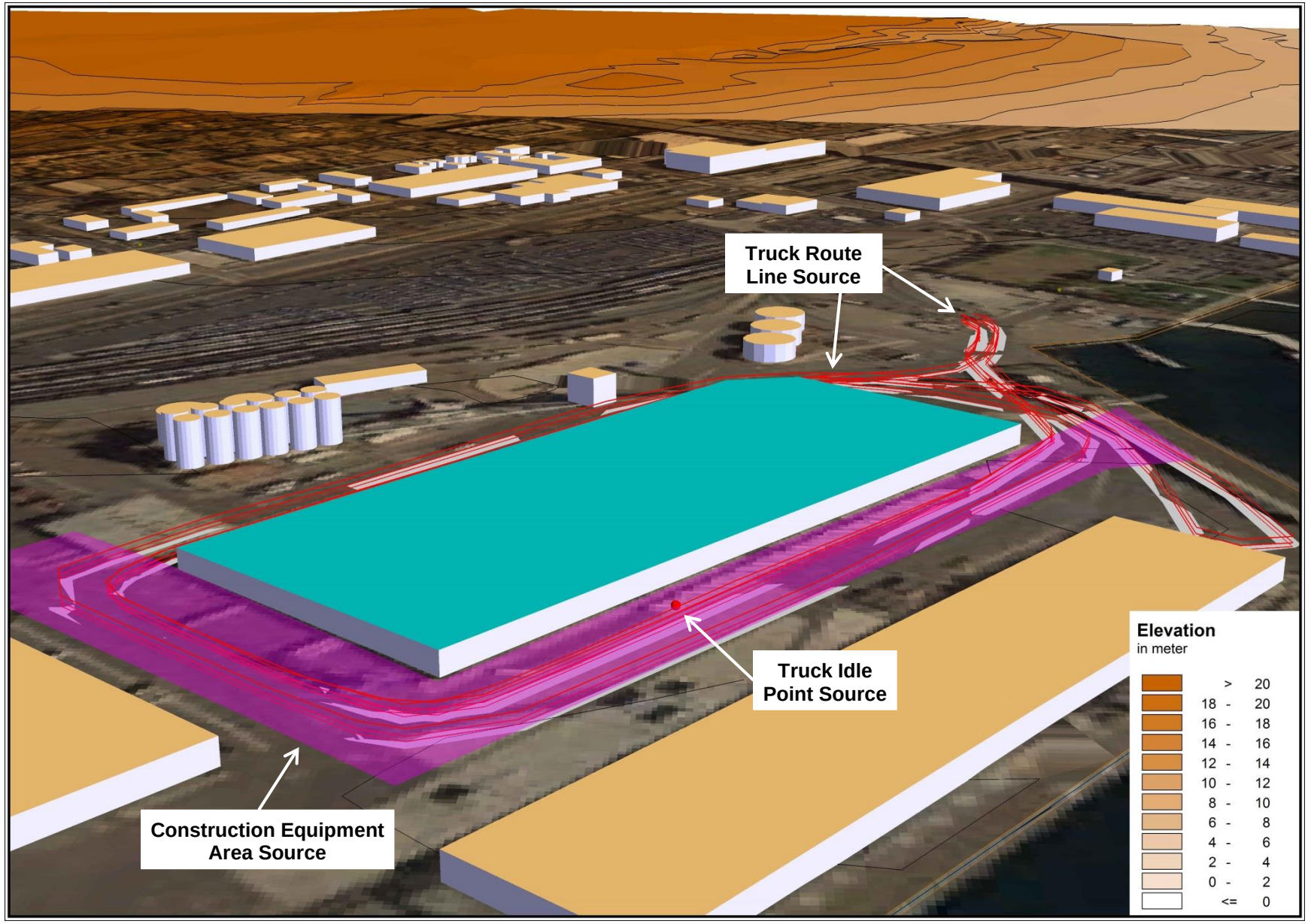


Figure 5-2 Three Dimensional Noise Model, Phase II Construction + Project Option A Operation

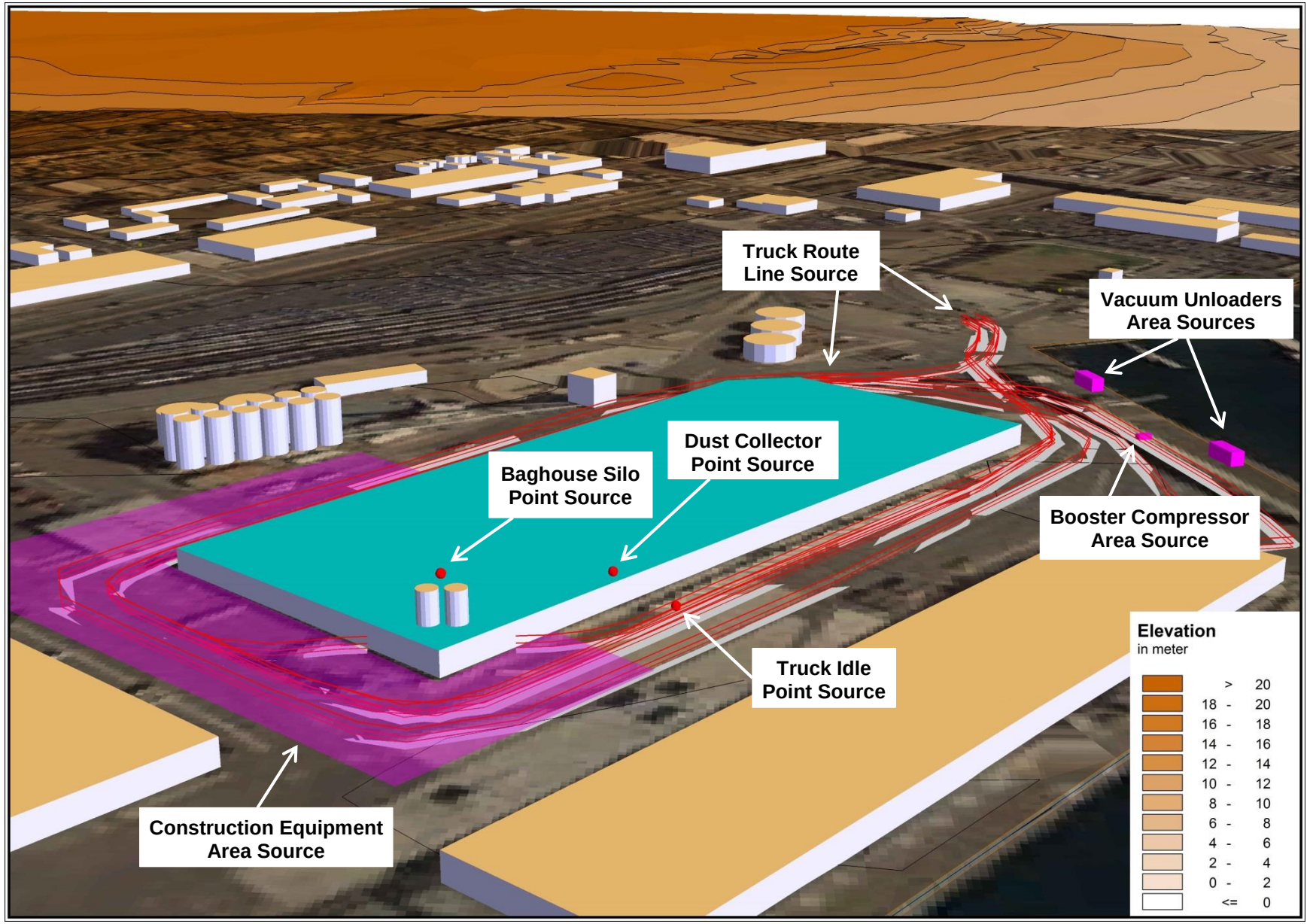


Figure 5-3 Three Dimensional Noise Model, Phase II Construction + Project Option B Operation

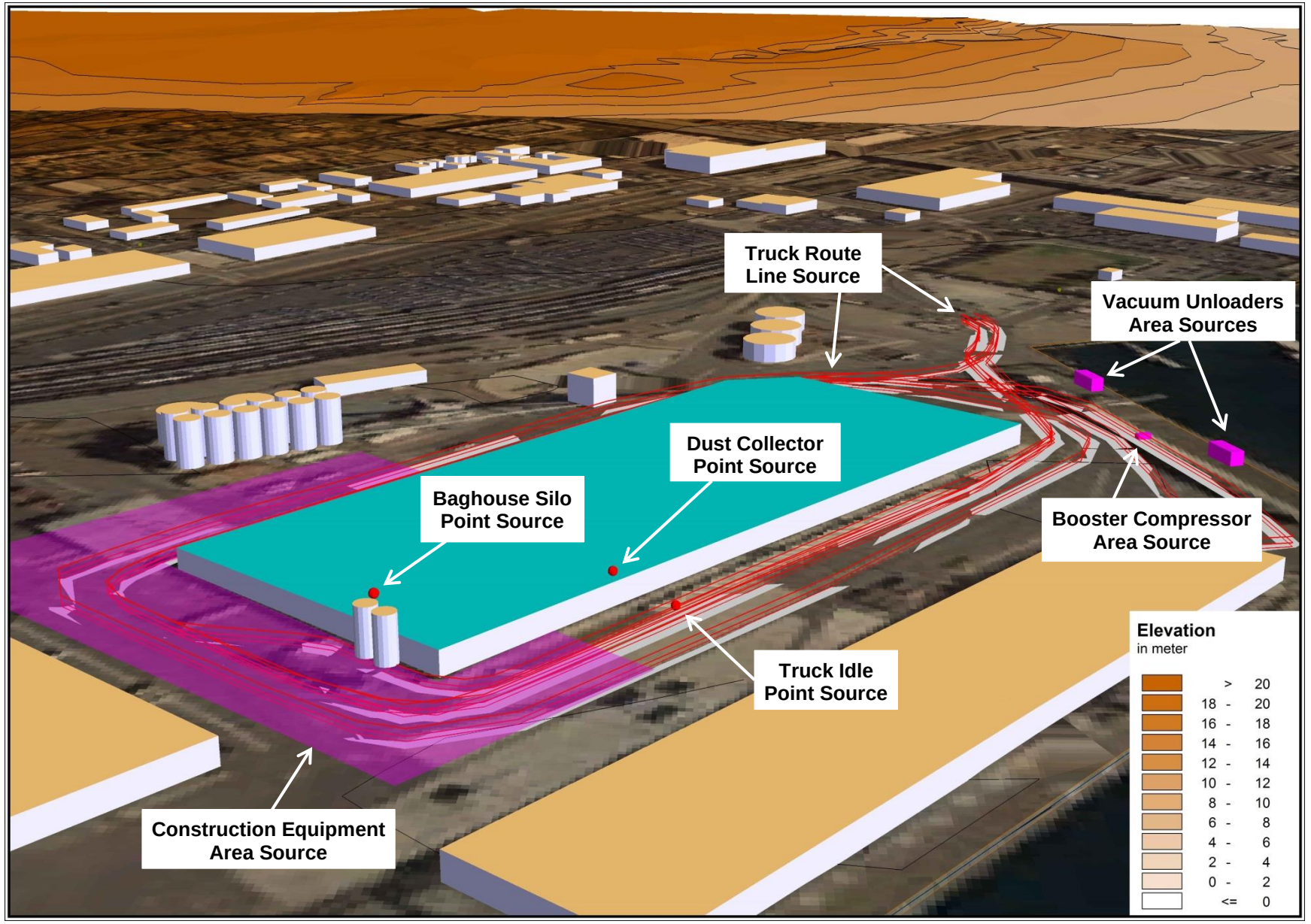


Figure 5-4 Three Dimensional Noise Model, Project Option A Operation (South-East View)

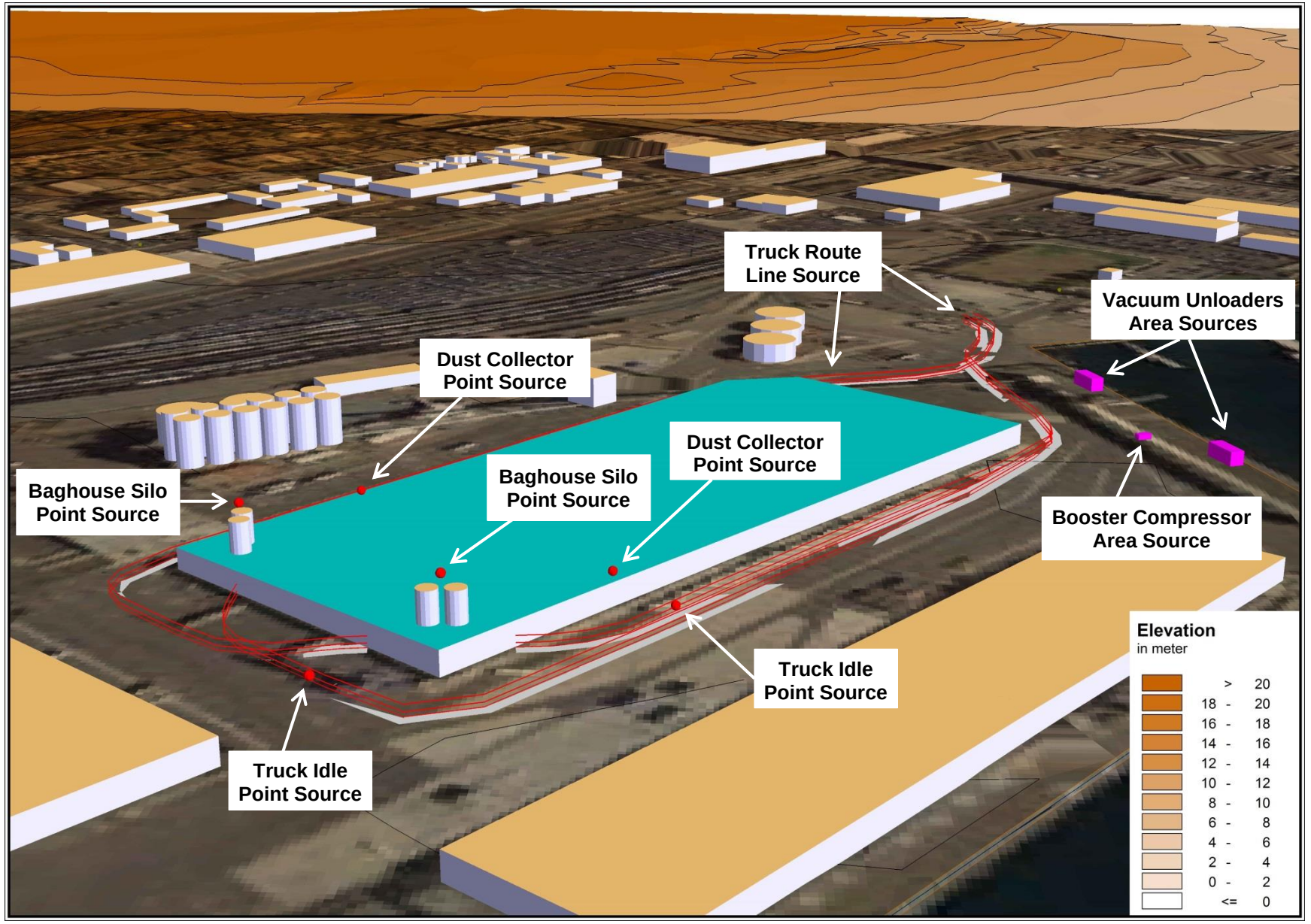


Figure 5-5 Three Dimensional Noise Model, Project Option A Operation (North View)

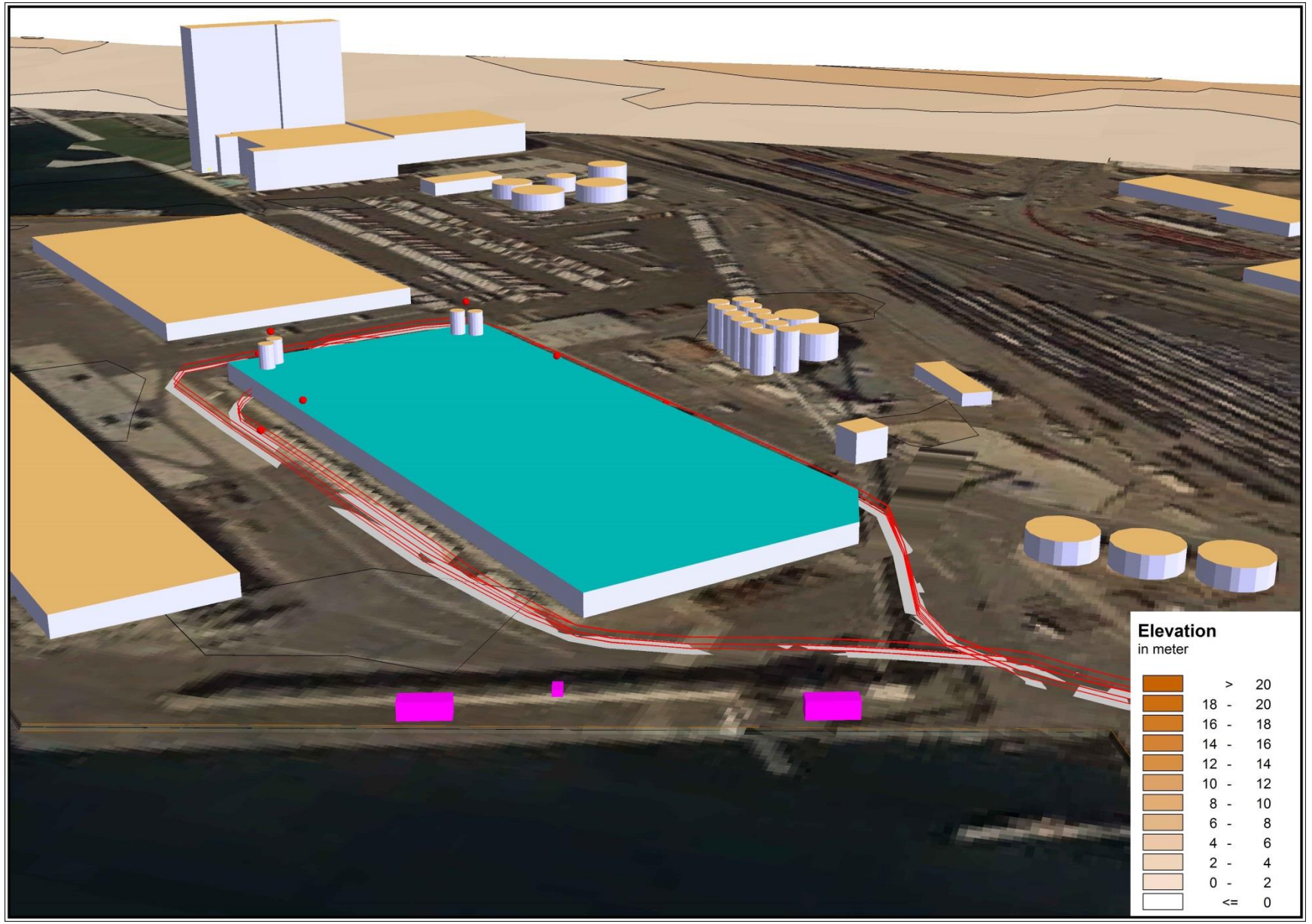


Figure 5-6 Three Dimensional Noise Model, Project Option B Operation (South-East View)

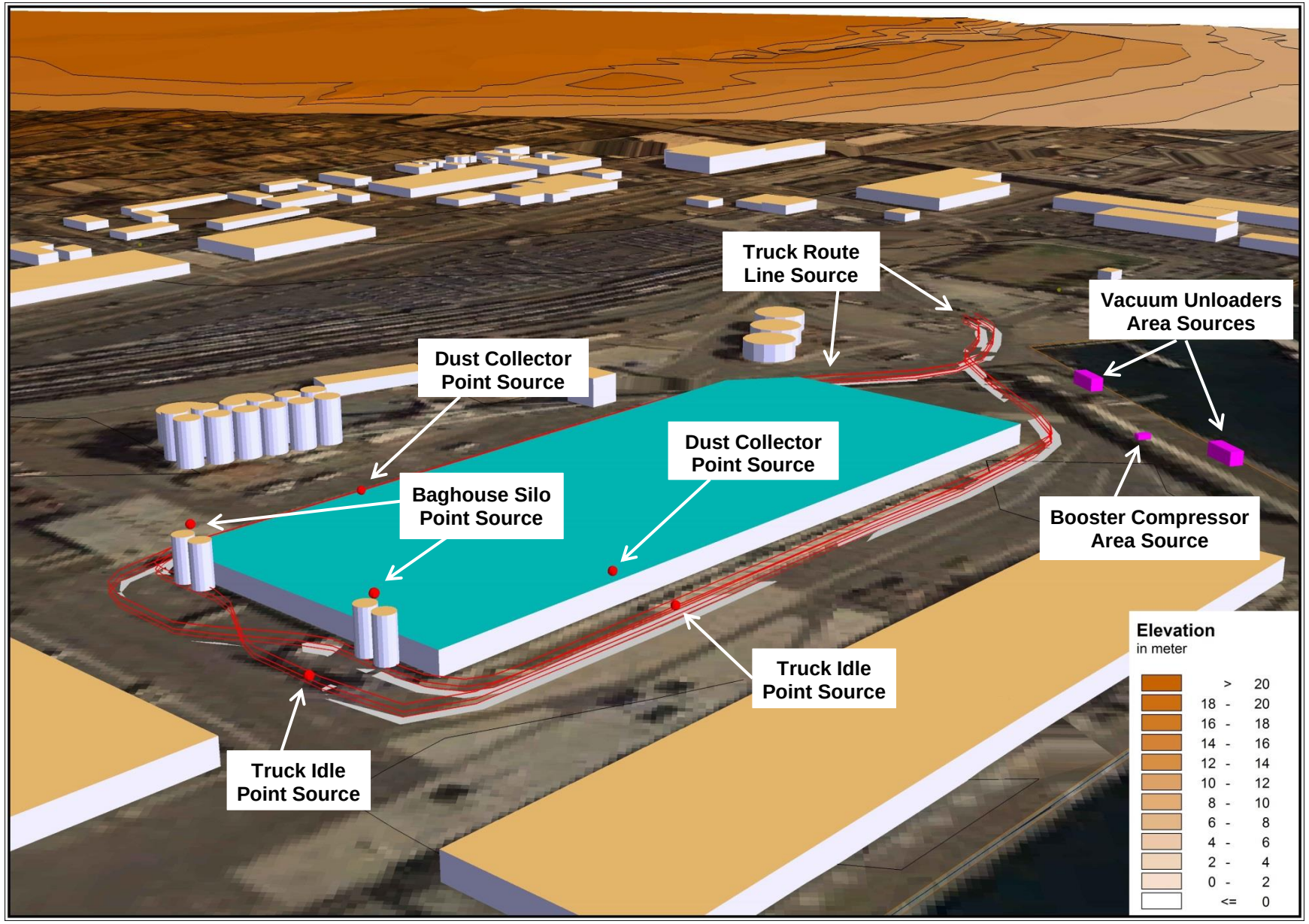


Figure 5-7 Three Dimensional Noise Model, Project Option B Operation (North View)

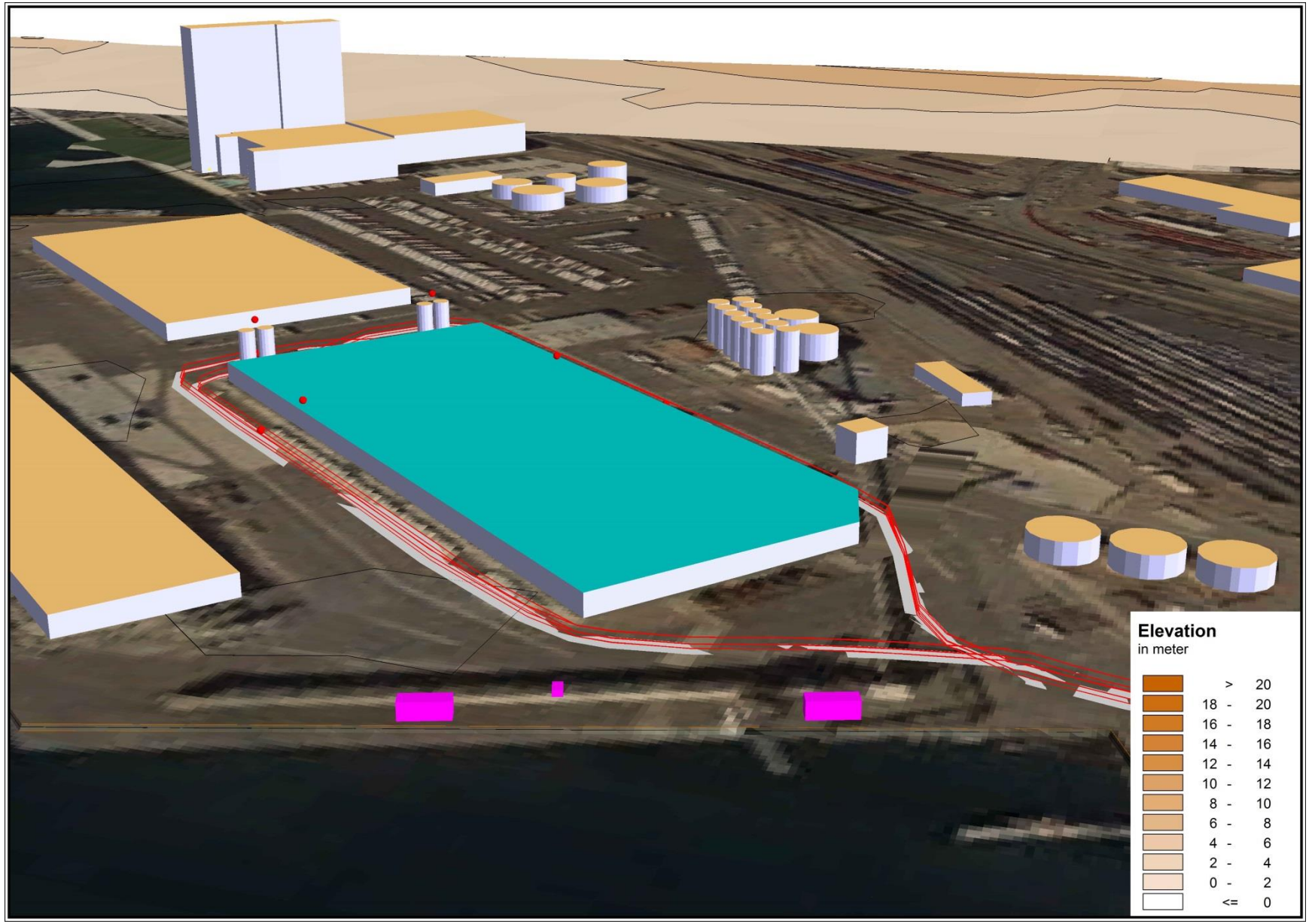


Table 5-1 Phase I & Phase II Construction - Equipment Sound Power Emission Levels

Construction Noise Source Name	Octave Band Sound Power Levels [Lw, dBA]									
	63 Hz	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	8K Hz	16K Hz	Overall
Construction Equipment (Area Source)	86.9	92.9	97.9	101.9	105.9	102.9	97.9	99.5	72.1	**109.5**
Truck Idle, 25 trucks per day, 5 minute idle time (Point Source)	84.4	87.9	93.3	100.8	103.4	100.2	92.3	90.4	79.4	**107.0**

*The sound power emission (109.5 dBA) for the construction equipment shown above represents a worst-case condition with the construction equipment assumed to be operating outside the building (i.e., **Construction Month #4** from the table below). The frequency spectrum is representative of typical construction equipment. The construction equipment sound power level was modeled as an area source and spread out over the Project area as shown in **Figure 5-1** and **Figure 5-2**.*

The construction trucks include one water truck which waters the site three times per day, five pickup, dump and concrete trucks which enter and leave the site one time every day and ten flatbed trucks which enter and leave the site one time every day. Construction vehicles are expected to comply with the maximum 3-minute idling time requirement. However, for the purpose of being conservative, each truck is assumed to idle for 5 minutes at the construction site. The truck noise emission levels and spectra are from the FHWA Traffic Noise Model.

Construction Equipment	Hrs/Day	Construction Months (1 - 7) Number of Equipment							Equipment 50' Noise Level dBA	Equipment Usage Factor	Construction Months (1 - 7) Sound Power Level dBA						
		1	2	3	4	5	6	7			1	2	3	4	5	6	7
Crane - 100 Ton, 260 HP	8	0	0	0	1	1	1	1	88	20%	0.0	0.0	0.0	99.6	99.6	99.6	99.6
Crane - 30 Ton, 130 HP	8	0	0	0	1	1	1	0	88	20%	0.0	0.0	0.0	99.6	99.6	99.6	0.0
Telescopic Man Lift, 40ft	8	0	0	0	0	2	2	2	85	40%	0.0	0.0	0.0	0.0	102.6	102.6	102.6
Fork Lift - 5 Ton	8	0	0	0	1	0	0	0	85	40%	0.0	0.0	0.0	99.6	0.0	0.0	0.0
Fork Lift - 1 Ton	8	0	0	1	1	1	1	1	85	40%	0.0	0.0	99.6	99.6	99.6	99.6	99.6
Bobcat	8	0	0	1	1	1	1	1	73	40%	0.0	0.0	87.6	87.6	87.6	87.6	87.6
Cat 966 Loader	8	0	0	1	1	0	0	0	80	40%	0.0	0.0	94.6	94.6	0.0	0.0	0.0
Excavator PC250 + Backhoe, Cat 320	8	0	0	1	1	0	0	0	80	40%	0.0	0.0	94.6	94.6	0.0	0.0	0.0
Pile Driver 50 HP + Jackhammer	8	0	0	0	1	0	0	0	95	20%	0.0	0.0	0.0	106.6	0.0	0.0	0.0
Total Sound Power For Construction Phase Area Source (Note Month #4 has the highest Sound Power Emission) :											**-**	**-**	**101.9**	**109.5**	**106.7**	**106.7**	**105.7**

Table 5-2 Phase I Operation & Full Operation - Equipment Sound Power Emission Levels

Phase 1 Operation Option A or Option B	Octave Band Sound Power Levels [Lw, dBA]									
Source Name	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1K Hz**	**2K Hz**	**4K Hz**	**8K Hz**	**16K Hz**	**Overall**
Two Dust Collectors (Roof C7 & C9)	94.1	98.6	101.4	102.7	101.1	98.3	92.1	83.2	70.2	108.1
One Baghouse Silo (Roof C7-C9)	94.1	98.6	101.4	102.7	101.1	98.3	92.1	83.2	70.2	108.1
One Booster Compressor	71.0	87.3	93.0	94.6	94.5	100.0	92.7	85.4	70.8	103.1
Two Vacuum Unloaders (400 MT/hr)	78.8	95.1	100.8	102.4	102.3	107.8	100.5	93.2	78.6	110.9
Truck Idle Loading, Weight Station 100% 5 min.	84.4	87.9	93.3	100.8	103.4	100.2	92.3	90.4	79.4	107.0

Source Name	Description
176 Cement Trucks Loading 24 hrs/day	The Cement Trucks would enter via the Crosby Road gate. The noise emission is based upon the FHWA model.

Full Operation Option A or Option B	Octave Band Sound Power Levels [dBA]									
Source Name	**63Hz**	**125Hz**	**250Hz**	**500Hz**	**1kHz**	**2kHz**	**4kHz**	**8kHz**	**16kHz**	**Lw**
Four Dust Collector (Roofs C7 & C9, C8 & C10)	94.1	98.6	101.4	102.7	101.1	98.3	92.1	83.2	70.2	108.1
Two Baghouse Silos (Roof C7-C9 & Roof C8-C10)	94.1	98.6	101.4	102.7	101.1	98.3	92.1	83.2	70.2	108.1
One Booster Compressor	71.0	87.3	93.0	94.6	94.5	100.0	92.7	85.4	70.8	103.1
Two Vacuum Unloaders (400 MT/hr)	78.8	95.1	100.8	102.4	102.3	107.8	100.5	93.2	78.6	110.9
Truck Idle Loading, Weight Station 100% 5 min.	84.4	87.9	93.3	100.8	103.4	100.2	92.3	90.4	79.4	107.0

Source Name	Description
176 Cement Trucks Loading 24 hrs/day	The Cement Trucks would enter via the Crosby Road gate. The noise emission is based upon the FHWA model.

Note: The overall sound power emission levels for Operation Option A and Operation Option B are the same. The equipment locations are different and are shown in ***Figure 5-4*** through ***Figure 5-7***.

Table 5-3 Predicted Noise Levels - Phase I Construction [dBA]

Receptor Location	Phase 1 Construction Levels [dBA]				
	Leq,d	Leq,e	Leq,n	CNEL	LDN
Coronado Island Marriott Resort & Spa	42.2	-	-	41.5	40.0
Cesar Chavez Park	46.2	-	-	45.1	43.9
1861 Newton Ave.	34.7	-	-	33.9	32.5
Perkins Elementary School	38.0	-	-	37.1	35.8
Monarch School	38.2	-	-	37.3	36.0
Hilton Hotel	40.1	-	-	39.5	38.0
Bayfront Park	38.2	-	-	37.5	36.1
Embarcadero Marina Park South	37.2	-	-	36.5	35.1

Table 5-4 Predicted Noise Levels - Phase I Operation, Option A [dBA]

Receptor Location	Phase 1 Operation Option A Levels [dBA]				
	Leq,d	Leq,e	Leq,n	CNEL	LDN
Coronado Island Marriott Resort & Spa	47.6	47.6	46.8	53.7	53.3
Cesar Chavez Park	58.6	58.6	56.3	63.5	63.1
1861 Newton Ave.	47.6	47.5	45.9	52.9	52.6
Perkins Elementary School	50.0	50.0	48.4	55.5	55.1
Monarch School	49.3	49.2	47.8	54.8	54.5
Hilton Hotel	45.4	45.4	44.8	51.6	51.3
Bayfront Park	43.2	43.1	42.3	49.2	48.8
Embarcadero Marina Park South	43.5	43.5	42.9	49.7	49.4

Note: Leq,d is the hourly average noise level between 7 am and 7 pm. Leq,e is the hourly average noise level between 7 pm and 10 pm. Leq,n is the hourly average noise level between 10 pm and 7 am. The construction hours are 7 am to 7 pm and therefore Leq,e and Leq,n were not computed. The CNEL and Ldn are presented for informational purposes only and not part of the noise impact analysis.

Table 5-5 Predicted Noise Levels - Phase I Operation, Option B [dBA]

Receptor Location	Phase 1 Operation Option B Levels [dBA]				
	Leq,d	Leq,e	Leq,n	CNEL	LDN
Coronado Island Marriott Resort & Spa	47.7	47.6	46.9	53.7	53.4
Cesar Chavez Park	58.6	58.6	56.3	63.5	63.1
1861 Newton Ave.	47.5	47.5	45.9	52.9	52.6
Perkins Elementary School	50.0	50.0	48.4	55.4	55.1
Monarch School	49.2	49.1	47.7	54.7	54.4
Hilton Hotel	45.6	45.6	44.9	51.7	51.4
Bayfront Park	43.7	43.7	42.9	49.8	49.4
Embarcadero Marina Park South	43.5	43.5	43.0	49.8	49.5

Table 5-6 Predicted Noise Levels - Phase I Operation, Option A + Phase II Construction [dBA]

Receptor Location	Phase 1 Operation Opt. A + Phase 2 Construction Levels [dBA]				
	Leq,d	Leq,e	Leq,n	CNEL	LDN
Coronado Island Marriott Resort & Spa	48.6	48.5	46.8	53.9	53.5
Cesar Chavez Park	58.8	58.7	56.3	63.6	63.2
1861 Newton Ave.	47.7	47.6	45.9	53.0	52.6
Perkins Elementary School	50.3	50.2	48.4	55.5	55.1
Monarch School	49.6	49.6	47.8	54.9	54.5
Hilton Hotel	47.3	47.2	44.8	52.0	51.7
Bayfront Park	43.7	43.7	42.9	49.6	49.2
Embarcadero Marina Park South	43.5	43.5	43.0	49.9	49.6

Note: Leq,d is the hourly average noise level between 7 am and 7 pm. Leq,e is the hourly average noise level between 7 pm and 10 pm. Leq,n is the hourly average noise level between 10 pm and 7 am. The construction hours are 7 am to 7 pm and therefore Leq,e and Leq,n were not computed. The CNEL and Ldn are presented for informational purposes only and not part of the noise impact analysis.

Table 5-7 Predicted Noise Levels - Phase I Operation, Option B + Phase II Construction [dBA]

Receptor Location	Phase 1 Operation Opt. B + Phase 2 Construction Levels [dBA]				
	Leq,d	Leq,e	Leq,n	CNEL	LDN
Coronado Island Marriott Resort & Spa	48.6	48.5	46.9	53.9	53.6
Cesar Chavez Park	58.8	58.7	56.3	63.6	63.2
1861 Newton Ave.	47.7	47.6	45.9	53.0	52.6
Perkins Elementary School	50.3	50.2	48.4	55.5	55.1
Monarch School	49.5	49.5	47.7	54.8	54.4
Hilton Hotel	47.4	47.4	44.9	52.2	51.8
Bayfront Park	45.2	45.1	42.9	50.1	49.7
Embarcadero Marina Park South	44.5	44.4	43.0	50.0	49.7

Table 5-8 Predicted Noise Levels - Full Operation, Option A [dBA]

Receptor Location	Full Operation Option A Levels [dBA]				
	Leq,d	Leq,e	Leq,n	CNEL	LDN
Coronado Island Marriott Resort & Spa	49.1	49.1	48.6	55.3	55.1
Cesar Chavez Park	58.8	58.8	56.7	63.9	63.5
1861 Newton Ave.	48.5	48.5	47.2	54.1	53.8
Perkins Elementary School	51.0	51.0	49.8	56.7	56.4
Monarch School	49.7	49.7	48.5	55.4	55.1
Hilton Hotel	49.1	49.1	48.9	55.6	55.3
Bayfront Park	46.6	46.6	46.3	53.0	52.8
Embarcadero Marina Park South	45.1	45.1	44.7	51.5	51.2

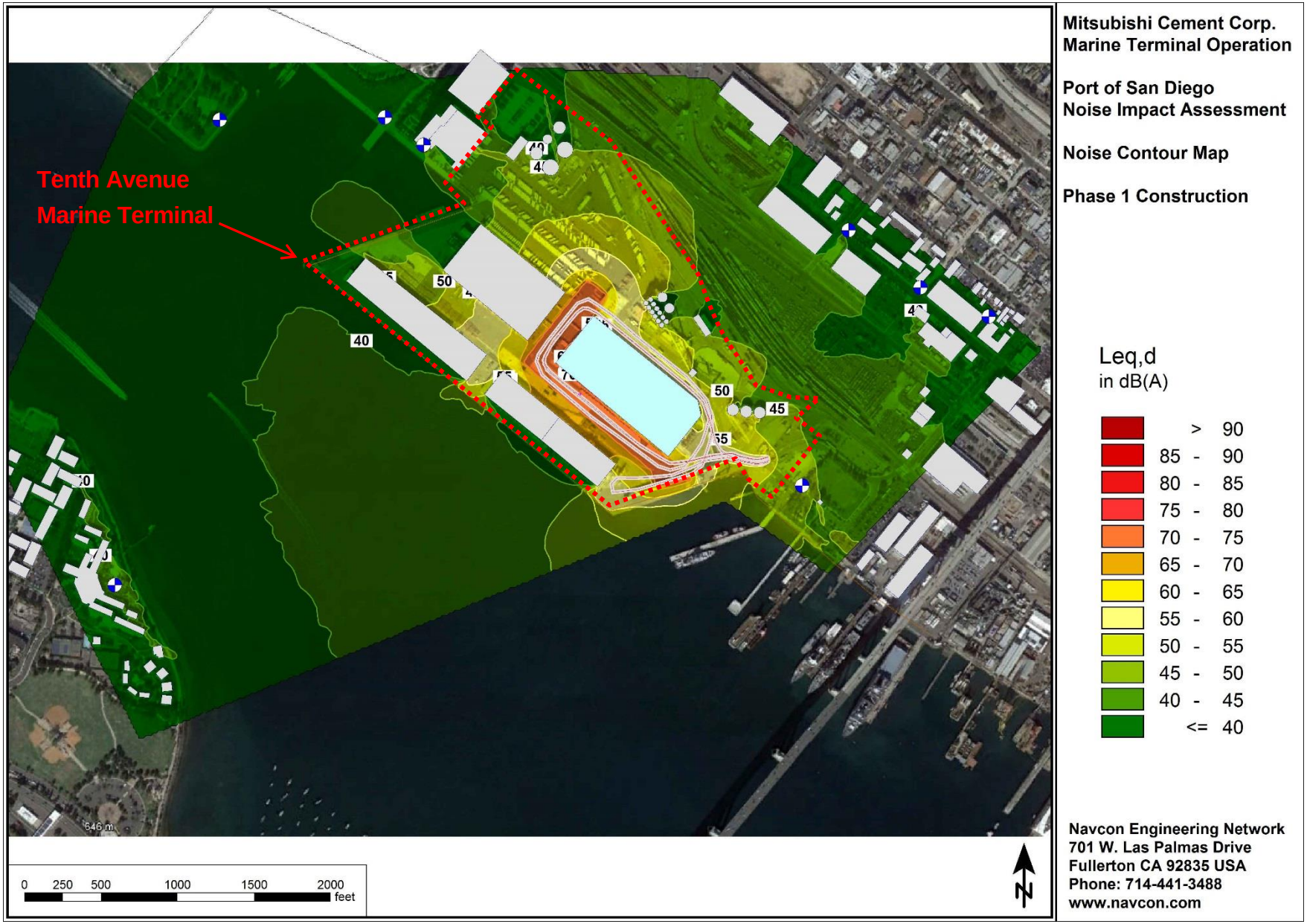
Note: Leq,d is the hourly average noise level between 7 am and 7 pm. Leq,e is the hourly average noise level between 7 pm and 10 pm. Leq,n is the hourly average noise level between 10 pm and 7 am. The construction hours are 7 am to 7 pm and therefore Leq,e and Leq,n were not computed. The CNEL and Ldn are presented for informational purposes only and not part of the noise impact analysis.

Table 5-9 Predicted Noise Levels - Full Operation, Option B [dBA]

Receptor Location	Full Operation Option B Levels [dBA]				
	Leq,d	Leq,e	Leq,n	CNEL	LDN
Coronado Island Marriott Resort & Spa	49.1	49.1	48.6	55.4	55.1
Cesar Chavez Park	58.8	58.8	56.6	63.8	63.4
1861 Newton Ave.	48.3	48.3	46.9	53.9	53.5
Perkins Elementary School	51.0	51.0	49.8	56.7	56.4
Monarch School	49.6	49.6	48.3	55.3	54.9
Hilton Hotel	49.4	49.4	49.1	55.9	55.6
Bayfront Park	47.0	47.0	46.7	53.4	53.2
Embarcadero Marina Park South	45.2	45.2	44.9	51.6	51.4

Note: Leq,d is the hourly average noise level between 7 am and 7 pm. Leq,e is the hourly average noise level between 7 pm and 10 pm. Leq,n is the hourly average noise level between 10 pm and 7 am. The construction hours are 7 am to 7 pm and therefore Leq,e and Leq,n were not computed. The CNEL and Ldn are presented for informational purposes only and not part of the noise impact analysis.

Noise Map 5-1 Phase I Construction [Leq,d]

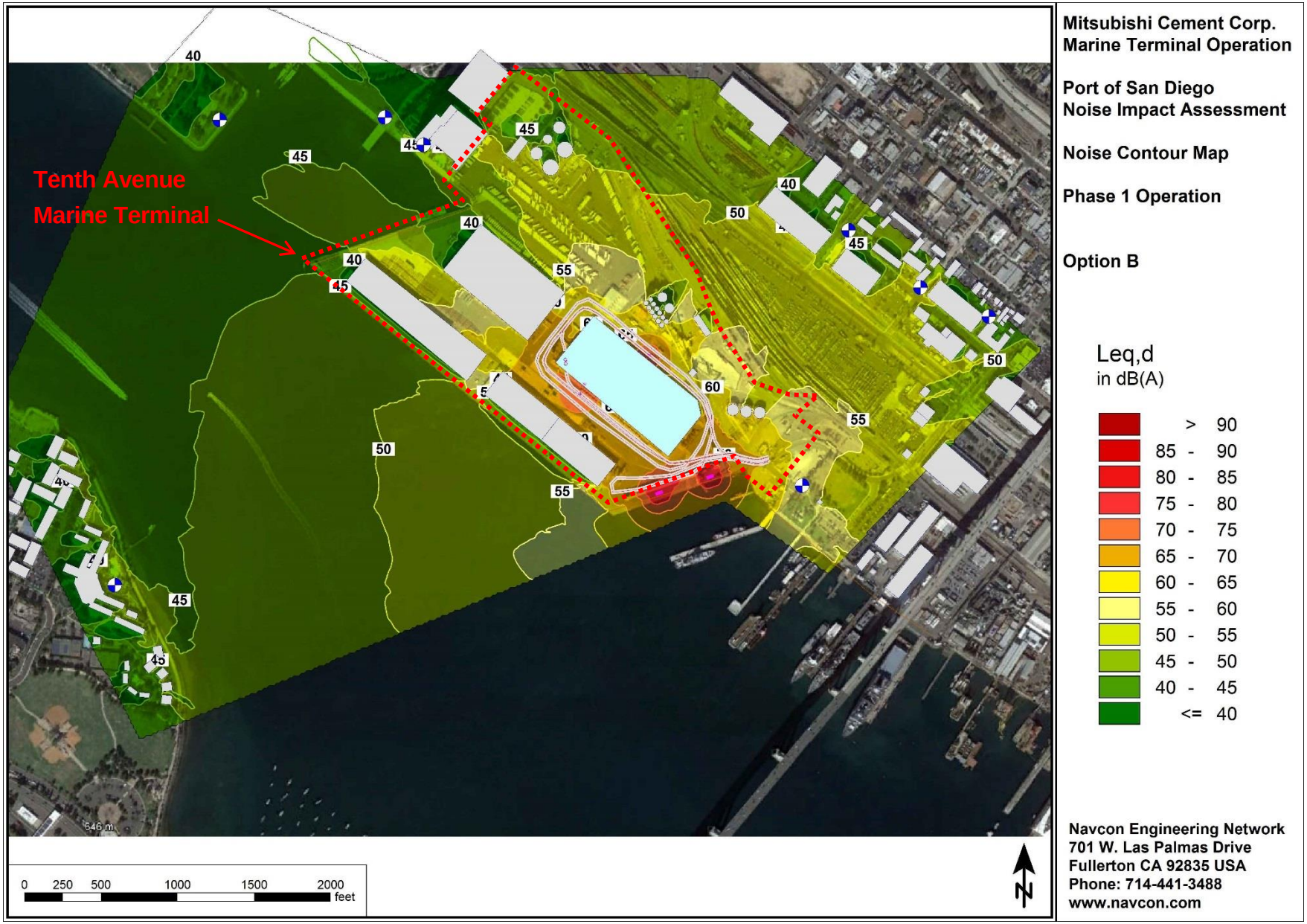


Noise Map 5-2 Phase I Operation Option A [Leq,d]

Noise Map 5-3 Phase I Operation Option A [Leq,e]

Noise Map 5-4 Phase I Operation Option A [Leq,n]

Noise Map 5-5 Phase I Operation Option B [Leq,d]



Noise Map 5-6 Phase I Operation Option B [Leq,e]

Noise Map 5-7 Phase I Operation Option B [Leq,n]

Noise Map 5-8 Phase I Operation Option A + Phase II Construction [Leq,d]

Noise Map 5-9 Phase I Operation Option B + Phase II Construction [Leq,d]

Noise Map 5-10 Full Operation Option A [Leq,d]

Noise Map 5-11 Full Operation Option A [Leq,e]

Noise Map 5-12 Full Operation Option A [Leq,n]

Noise Map 5-13 Full Operation Option B [Leq,d]

Noise Map 5-14 Full Operation Option B [Leq,e]

Noise Map 5-15 Full Operation Option B [Leq,n]

6.0 GROUNDBORNE VIBRATION PREDICTIONS

Groundborne vibration can be a serious concern for neighbors living in the vicinity of construction sites or facilities operating heavy industrial equipment. Construction and operational ground vibration radiates through the soil but diminishes in strength with distance. Ultimately, the ground vibration impact depends upon the source level of vibration, the transmission characteristics of the ground media, the distance between the vibration source and the receiver and the sensitivity of the receiver. In regards human response, ground vibration is often characterized as being perceptible, noticeable, annoying, disagreeable, very disagreeable, etc. Ground vibration can also cause damage to building facades and even result in structural damage.

Like noise, the ground vibration problem can be assessed using a "Source - Transmission Path – Receiver Model". The model used for the Proposed Project vibration assessment is consistent with the Final TAMT Program EIR and is described in the Federal Transit Administration guidance manual FTA-VA-90-1003-06, "Transit Noise & Vibration Impact Assessment". In that document they provide source vibration levels for various pieces of construction equipment, trucks, etc. as well as the algorithms and procedures for predicting the vibration impact at receiver locations.

Both the Phase I and Phase II Construction will require pile driving, excavation, bulldozers, jack hammering, fork lift and truck movements (i.e., the vibration sources). The vibration levels associated with these sources are listed in ***Table 6-1***.

Table 6-1 Construction Equipment Vibration Source Levels

Construction Equipment	Approximate PPV at 25' (Inch/Sec)
Pile Driver	0.644
Large Bulldozers	0.089
Loaded Trucks	0.076
Jackhammer	0.035
Small Bulldozers	0.003
Sumation of All Equipment	**0.847**

***Note**: The Peak Particle Velocity (PPV) levels listed in this table are from Table 12.2 of FTA-VA-90-1003-06.*

The propagation algorithm used for the calculations are from Para. 12.2.1 of FTA-VA-90-1003-06.

$$PPV_{receiver} = PPV_{source} * (25/D)^{1.5}$$

where: $PPV_{receiver}$ is the peak particle velocity in inches/second at the receiver location

PPV_{source} is the peak particle velocity in inches/second at 25' from the equipment

D is the distance between the vibration source and the receiver location.

The groundborne vibration at the eight (8) sensitive receiver locations was computed using the above equation. The vibration levels for the construction equipment listed in ***Table 6-1*** were summed and that level (i.e., 0.847 PPV) was used as the reference source level. The distance factor (D) was set as the shortest distance between the Proposed Project and the receiver location.

The groundborne vibration levels predictions during the Phase I and Phase II construction are presented in ***Table 6-2*** along with the Project's vibration limit (0.04 Inch/Sec). The predicted vibration levels are well below the Project's vibration limit. The vibration level predictions are also less than the Vibration Damage Potential Threshold Criteria for extremely fragile historic buildings, ruins, ancient monuments (0.08 Inch/Sec) and the Vibration Annoyance Potential Criteria for human perceptibility (0.01 Inch/Sec) as presented in *Tables 19 & 20* (respectively) of the *California Department of Transportation and Construction Guidance Manual, September 2013*. The groundborne vibration levels during the Phase I Operation and Full Operation will be less than the groundborne vibration levels during the Phase I and Phase II Construction.

Table 6-2 Predicted Groundborne Vibration Levels During Construction

Receiver Location	Distance (D,ft.) From Construction Equipment	Construction Equipment PPV at 25' (Inch/Sec)	PPV at Receiver Location (Inch/Sec)	Vibration Limit (Inch/Sec)
Marriot Coronado Resort	3500	0.847	0.0005	0.04
Cesar Chavez Park	550	0.847	0.0082	0.04
1861 Newton Ave.	2200	0.847	0.0010	0.04
Perkins Elementary School	1750	0.847	0.0014	0.04
Monarch School	1550	0.847	0.0017	0.04
Hilton Hotel	1300	0.847	0.0023	0.04
Bayfront Park	1920	0.847	0.0013	0.04
Embarcadero Marina Park	2670	0.847	0.0008	0.04

Note: The reference construction equipment PPV level used for the calculations is the summation of the vibration generated by all the equipment simultaneously and is therefore conservative. The predicted groundborne vibration levels during construction are calculated based on guidance contained in Section 12.2.1 of FTA-VA-90-1003-06.

7.0 PROJECT IMPACT DISCUSSION

The principal objective of this study was to assess whether the Mitsubishi Cement Corporation at Warehouse C Bulk Cement Warehouse and Loading Facility Project will result in a significant noise and/or groundborne vibration impact to the surrounding communities during construction and/or operation based upon the Project's thresholds of significance. Impacts related to noise and groundborne vibration would be considered to be significant if the proposed Project would (**1**) expose persons to, or generate, noise levels in excess of established standards; (**2**) expose persons to, or generate, excessive groundborne vibration levels; (**3**) result in a substantial permanent increase in ambient noise levels; or (**4**) result in a substantial temporary or periodic increase in ambient noise levels. The Project thresholds of significance are described in ***Section 3.4***. The Project noise limits are presented in ***Section 3.0***.

Traffic noise was analyzed in the Final TAMT Program EIR and was determined to have no significant impacts (See Final TAMT Program EIR page 4.9-24). The Final TAMT Program EIR included greater traffic volumes than the Proposed Project. Therefore, the Proposed Project was analyzed in the Final TAMT Program EIR and is not analyzed in this impact assessment.

The thresholds of significance which are addressed in this report can be summarized as follows:

7.1 Threshold 1:

Implementation of the Proposed Project would **not** expose persons to, or generate, noise levels in excess of established standards. The noise levels predicted at the eight (8) sensitive receiver locations are compared to the noise levels limits in ***Table 7-1*** through ***Table 7-7***. The predicted levels are less than the noise level limits. The noise model details and calculation parameters are presented in ***Section 4.0***. The noise level limits are explained in ***Section 3.0***.

7.2 Threshold 2:

Implementation of the Proposed Project would **not** expose persons to, or generate, excessive groundborne vibration or levels. The groundborne vibration levels predicted at the eight (8) sensitive receiver locations are compared to the vibration levels limits in ***Table 7-8***. The groundborne vibration details, calculation parameters and Project limits are explained in ***Section 6.0***.

7.3 Threshold 3:

Implementation of the Proposed Project would **not** result in a substantial permanent increase in ambient noise levels. The noise levels predicted at the eight (8) sensitive receiver locations are compared to the "minimum" measured ambient noise levels in ***Table 7-9*** through Table 7-15. The predicted levels are less than the "minimum" measured ambient noise levels and there would not be a discernable increase in ambient noise.

7.4 Threshold 4:

Implementation of the Proposed Project would **not** result in a substantial temporary or periodic increase in ambient noise levels. The Project construction and operational noise would be less than the noise limits (refer to ***Table 7-1*** through ***Table 7-7***) and also less than the current ambient noise levels (refer to ***Table 7-8*** through ***Table 7-15***); there would not be a discernable increase in ambient noise.

Table 7-1 Threshold 1 - Phase I Construction Noise Impact Assessment (Construction Scenarios A & B, Sub Options A or B)

	Daytime 7 am - 7 pm [dBA]			Evening 7 pm - 10 pm [dBA]			Nighttime 10 pm - 7 am [dBA]		
Receptor Location	**Predicted**	**Limit**	**Impact?**	**Predicted**	**Limit**	**Impact?**	**Predicted**	**Limit**	**Impact?**
Coronado Island Marriott Resort & Spa	42.2	75.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Cesar Chavez Park	46.2	75.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
1861 Newton Ave.	34.7	75.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Perkins Elementary School	38.0	75.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Monarch School	38.2	75.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Hilton Hotel	40.1	75.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Bayfront Park	38.2	75.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Embarcadero Marina Park South	37.2	75.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**

***Note** : The predicted noise levels represent the worst case scenario for Construction Option A (truck loading inside) or Construction Option B (exterior truck loading) and for Sub Option A (subterranean pipe) or Sub Option B (overhead pipe). Construction hours are 7 am to 7 pm therefore the evening and nighttime levels were not calculated.*

Table 7-2 Threshold 1 - Phase I Operation Option A Noise Impact Assessment

	Daytime 7 am - 7 pm [dBA]			Evening 7 pm - 10 pm [dBA]			Nighttime 10 pm - 7 am [dBA]		
Receptor Location	**Predicted**	**Limit**	**Impact?**	**Predicted**	**Limit**	**Impact?**	**Predicted**	**Limit**	**Impact?**
Coronado Island Marriott Resort & Spa	47.6	60.0	**No**	47.6	60.0	**No**	46.8	50.0	**No**
Cesar Chavez Park	58.6	60.0	**No**	58.6	60.0	**No**	56.3	- - -	**No**
1861 Newton Ave.	47.6	57.5	**No**	47.5	57.5	**No**	45.9	57.5	**No**
Perkins Elementary School	50.0	62.5	**No**	50.0	- - -	**No**	48.4	- - -	**No**
Monarch School	49.3	62.5	**No**	49.2	- - -	**No**	47.8	- - -	**No**
Hilton Hotel	45.4	67.5	**No**	45.4	67.5	**No**	44.8	67.5	**No**
Bayfront Park	43.2	60.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Embarcadero Marina Park South	43.5	60.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**

***Note** : The school hours do not extend beyond 7 pm therefore the evening and nighttime limits are not applicable. Cesar Chavez Park is not open beyond 10 pm therefore the nighttime limits are not applicable.*

Table 7-3 Threshold 1 - Phase I Operation Option B Noise Impact Assessment

	Daytime 7 am - 7 pm [dBA]			Evening 7 pm - 10 pm [dBA]			Nighttime 10 pm - 7 am [dBA]		
Receptor Location	**Predicted**	**Limit**	**Impact?**	**Predicted**	**Limit**	**Impact?**	**Predicted**	**Limit**	**Impact?**
Coronado Island Marriott Resort & Spa	47.7	60.0	**No**	47.6	60.0	**No**	46.9	50.0	**No**
Cesar Chavez Park	58.6	60.0	**No**	58.6	60.0	**No**	56.3	- - -	**No**
1861 Newton Ave.	47.5	57.5	**No**	47.5	57.5	**No**	45.9	57.5	**No**
Perkins Elementary School	50.0	62.5	**No**	50.0	- - -	**No**	48.4	- - -	**No**
Monarch School	49.2	62.5	**No**	49.1	- - -	**No**	47.7	- - -	**No**
Hilton Hotel	45.6	67.5	**No**	45.6	67.5	**No**	44.9	67.5	**No**
Bayfront Park	43.7	60.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Embarcadero Marina Park South	43.5	60.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**

***Note** : The school hours do not extend beyond 7 pm therefore the evening and nighttime limits are not applicable. Cesar Chavez Park is not open beyond 10 pm therefore the nighttime limits are not applicable.*

Table 7-4 Threshold 1 - Phase I Operation Opt. A + Phase II Construction Noise Impact Assessment

	Daytime 7 am - 7 pm [dBA]			Evening 7 pm - 10 pm [dBA]			Nighttime 10 pm - 7 am [dBA]		
Receptor Location	**Predicted**	**Limit**	**Impact?**	**Predicted**	**Limit**	**Impact?**	**Predicted**	**Limit**	**Impact?**
Marriott Coronado Resort	48.6	75.0	**No**	48.5	60.0	**No**	46.8	50.0	**No**
Cesar Chavez Park	58.8	60.0	**No**	58.7	60.0	**No**	56.3	- - -	**No**
1861 Newton Ave.	47.7	57.5	**No**	47.6	57.5	**No**	45.9	57.5	**No**
Perkins Elementary School	50.3	62.5	**No**	50.2	- - -	**No**	48.4	- - -	**No**
Monarch School	49.6	62.5	**No**	49.6	- - -	**No**	47.8	- - -	**No**
Hilton Hotel	47.3	67.5	**No**	47.2	62.5	**No**	44.8	67.5	**No**
Bayfront Park	43.7	60.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Embarcadero Marina Park South	43.5	60.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**

***Note** : The school hours do not extend beyond 7 pm therefore the evening and nighttime limits are not applicable. Cesar Chavez Park is not open beyond 10 pm therefore the nighttime limits are not applicable.*

Table 7-5 Threshold 1 - Phase I Operation Opt. B + Phase II Construction Noise Impact Assessment

	Daytime 7 am - 7 pm [dBA]			Evening 7 pm - 10 pm [dBA]			Nighttime 10 pm - 7 am [dBA]		
Receptor Location	**Predicted**	**Limit**	**Impact?**	**Predicted**	**Limit**	**Impact?**	**Predicted**	**Limit**	**Impact?**
Marriott Coronado Resort	48.6	75.0	**No**	48.5	60.0	**No**	46.9	50.0	**No**
Cesar Chavez Park	58.8	60.0	**No**	58.7	60.0	**No**	56.3	- - -	**No**
1861 Newton Ave.	47.7	57.5	**No**	47.6	57.5	**No**	45.9	57.5	**No**
Perkins Elementary School	50.3	62.5	**No**	50.2	- - -	**No**	48.4	- - -	**No**
Monarch School	49.5	62.5	**No**	49.5	- - -	**No**	47.7	- - -	**No**
Hilton Hotel	47.4	67.5	**No**	47.4	67.5	**No**	44.9	67.5	**No**
Bayfront Park	45.2	60.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Embarcadero Marina Park South	44.5	60.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**

***Note** : The school hours do not extend beyond 7 pm therefore the evening and nighttime limits are not applicable. Cesar Chavez Park is not open beyond 10 pm therefore the nighttime limits are not applicable.*

Table 7-6 Threshold 1 - Full Operation Option A Noise Impact Assessment

	Daytime 7 am - 7 pm [dBA]			Evening 7 pm - 10 pm [dBA]			Nighttime 10 pm - 7 am [dBA]		
Receptor Location	**Predicted**	**Limit**	**Impact?**	**Predicted**	**Limit**	**Impact?**	**Predicted**	**Limit**	**Impact?**
Marriott Coronado Resort	49.1	60.0	**No**	49.1	60.0	**No**	48.6	50.0	**No**
Cesar Chavez Park	58.8	60.0	**No**	58.8	60.0	**No**	56.7	- - -	**No**
1861 Newton Ave.	48.5	57.5	**No**	48.5	57.5	**No**	47.2	57.5	**No**
Perkins Elementary School	51.0	62.5	**No**	51.0	- - -	**No**	49.8	- - -	**No**
Monarch School	49.7	62.5	**No**	49.7	- - -	**No**	48.5	- - -	**No**
Hilton Hotel	49.1	67.5	**No**	49.1	67.5	**No**	48.9	67.5	**No**
Bayfront Park	46.6	60.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Embarcadero Marina Park South	45.1	60.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**

***Note** : The school hours do not extend beyond 7 pm therefore the evening and nighttime limits are not applicable. Cesar Chavez Park is not open beyond 10 pm therefore the nighttime limits are not applicable.*

Table 7-7 Threshold 1 - Full Operation Option B Noise Impact Assessment

Receptor Location	Daytime 7 am - 7 pm [dBA]			Evening 7 pm - 10 pm [dBA]			Nighttime 10 pm - 7 am [dBA]		
	Predicted	Limit	Impact?	Predicted	Limit	Impact?	Predicted	Limit	Impact?
Coronado Island Marriott Resort & Spa	49.1	60.0	**No**	49.1	60.0	**No**	48.6	50.0	**No**
Cesar Chavez Park	58.8	60.0	**No**	58.8	60.0	**No**	56.6	- - -	**No**
1861 Newton Ave.	48.3	57.5	**No**	48.3	57.5	**No**	46.9	57.5	**No**
Perkins Elementary School	51.0	62.5	**No**	51.0	- - -	**No**	49.8	- - -	**No**
Monarch School	49.6	62.5	**No**	49.6	- - -	**No**	48.3	- - -	**No**
Hilton Hotel	49.4	67.5	**No**	49.4	67.5	**No**	49.1	67.5	**No**
Bayfront Park	47.0	60.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Embarcadero Marina Park South	45.2	60.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**

***Note** : The school hours do not extend beyond 7 pm therefore the evening and nighttime limits are not applicable. Cesar Chavez Park is not open beyond 10 pm therefore the nighttime limits are not applicable.*

Table 7-8 Threshold 2 –Groundborne Vibration Impact Assessment

Receiver Location	PPV at Receiver Location (Inch/Sec)	PPV Vibration Limit (Inch/Sec)		Significant Impact?
		Human Perception	Damage to Buildings	
Coronado Island Marriott Resort & Spa	0.0005	0.01	0.08	**No**
Cesar Chavez Park	0.0082	0.01	0.08	**No**
1861 Newton Ave.	0.0010	0.01	0.08	**No**
Perkins Elementary School	0.0014	0.01	0.08	**No**
Monarch School	0.0017	0.01	0.08	**No**
Hilton Hotel	0.0023	0.01	0.08	**No**
Bayfront Park	0.0013	0.01	0.08	**No**
Embarcadero Marina Park South	0.0008	0.01	0.08	**No**

Note: The predicted groundborne vibration levels Peak Particle Velocity (PPV) are calculated based on the guidance in Section 12.2.1 of FTA-VA-90-1003-06. The reference construction equipment PPV level used for the calculations is the summation of the vibration generated by all the equipment operating simultaneously and is conservative.

Table 7-9 Threshold 3 and Threshold 4 – Phase I Construction Noise vs. Measured Ambient Noise

Receptor Location	Predicted Noise Levels			Measured Ambient	Significant Impact ?
	7 am - 7 pm	7 pm - 10 pm	10 pm - 7 am		
Coronado Island Marriott Resort & Spa	42.2	- - -	- - -	50.2	**No**
Cesar Chavez Park	46.2	- - -	- - -	59.3	**No**
1861 Newton Ave.	34.7	- - -	- - -	54.9	**No**
Perkins Elementary School	38.0	- - -	- - -	56.6	**No**
Monarch School	38.2	- - -	- - -	56.9	**No**
Hilton Hotel	40.1	- - -	- - -	53.0	**No**
Bayfront Park	38.2	- - -	- - -	53.0	**No**
Embarcadero Marina Park South	37.2	- - -	- - -	53.0	**No**

***Note** : Construction hours are 7 am to 7 pm therefore the evening and nighttime levels were not calculated. The predicted noise levels are less than the measured ambient noise levels.*

Table 7-10 Threshold 3 and Threshold 4 – Phase I Operation Option A vs. Measured Ambient Noise

Receptor Location	Predicted Noise Levels			Measured Ambient	Significant Impact ?
	7 am - 7 pm	7 pm - 10 pm	10 pm - 7 am		
Coronado Island Marriott Resort & Spa	47.6	47.6	46.8	50.2	**No**
Cesar Chavez Park	58.6	58.6	56.3	59.3	**No**
1861 Newton Ave.	47.6	47.5	45.9	54.9	**No**
Perkins Elementary School	50.0	50.0	48.4	56.6	**No**
Monarch School	49.3	49.2	47.8	56.9	**No**
Hilton Hotel	45.4	45.4	44.8	53.0	**No**
Bayfront Park	43.2	- - -	- - -	53.0	**No**
Embarcadero Marina Park South	43.5	- - -	- - -	53.0	**No**

***Note** : The predicted noise levels are less than the measured ambient noise levels.*

Table 7-11 Threshold 3 and Threshold 4 – Phase I Operation Option B vs. Measured Ambient Noise

Receptor Location	Predicted Noise Levels			Measured Ambient	Significant Impact ?
	7 am - 7 pm	7 pm - 10 pm	10 pm - 7 am		
Coronado Island Marriott Resort & Spa	47.7	47.6	46.9	50.2	**No**
Cesar Chavez Park	58.6	58.6	56.3	59.3	**No**
1861 Newton Ave.	47.5	47.5	45.9	54.9	**No**
Perkins Elementary School	50.0	50.0	48.4	56.6	**No**
Monarch School	49.2	49.1	47.7	56.9	**No**
Hilton Hotel	45.6	45.6	44.9	53.0	**No**
Bayfront Park	43.7	- - -	- - -	53.0	**No**
Embarcadero Marina Park South	43.5	- - -	- - -	53.0	**No**

***Note** : The predicted noise levels are less than the measured ambient noise levels.*

Table 7-12 Threshold 3 and Threshold 4 – Phase I Operation Opt. A + Phase II Construction vs. Ambient Noise

Receptor Location	Predicted Noise Levels			Measured Ambient	Significant Impact ?
	7 am - 7 pm	7 pm - 10 pm	10 pm - 7 am		
Coronado Island Marriott Resort & Spa	48.6	48.5	46.8	50.2	**No**
Cesar Chavez Park	58.8	58.7	56.3	59.3	**No**
1861 Newton Ave.	47.7	47.6	45.9	54.9	**No**
Perkins Elementary School	50.3	50.2	48.4	56.6	**No**
Monarch School	49.6	49.6	47.8	56.9	**No**
Hilton Hotel	47.3	47.2	44.8	53.0	**No**
Bayfront Park	43.7	- - -	- - -	53.0	**No**
Embarcadero Marina Park South	43.5	- - -	- - -	53.0	**No**

***Note** : The predicted noise levels are less than the measured ambient noise levels.*

Table 7-13 Threshold 3 and Threshold 4 – Phase I Operation Opt. B + Phase II Construction vs. Ambient Noise

Receptor Location	Predicted Noise Levels			Measured Ambient	Significant Impact ?
	7 am - 7 pm	7 pm - 10 pm	10 pm - 7 am		
Coronado Island Marriott Resort & Spa	48.6	48.5	46.9	50.2	**No**
Cesar Chavez Park	58.8	58.7	56.3	59.3	**No**
1861 Newton Ave.	47.7	47.6	45.9	54.9	**No**
Perkins Elementary School	50.3	50.2	48.4	56.6	**No**
Monarch School	49.5	49.5	47.7	56.9	**No**
Hilton Hotel	47.4	47.4	44.9	53.0	**No**
Bayfront Park	45.2	- - -	- - -	53.0	**No**
Embarcadero Marina Park South	44.5	- - -	- - -	53.0	**No**

***Note** : The predicted noise levels are less than the measured ambient noise levels.*

Table 7-14 Threshold 3 and Threshold 4 – Full Operation Option A vs. Measured Ambient Noise

Receptor Location	Predicted Noise Levels			Measured Ambient	Significant Impact ?
	7 am - 7 pm	7 pm - 10 pm	10 pm - 7 am		
Coronado Island Marriott Resort & Spa	49.1	49.1	48.6	50.2	**No**
Cesar Chavez Park	58.8	58.8	56.7	59.3	**No**
1861 Newton Ave.	48.5	48.5	47.2	54.9	**No**
Perkins Elementary School	51.0	51.0	49.8	56.6	**No**
Monarch School	49.7	49.7	48.5	56.9	**No**
Hilton Hotel	49.1	49.1	48.9	53.0	**No**
Bayfront Park	46.6	- - -	- - -	53.0	**No**
Embarcadero Marina Park South	45.1	- - -	- - -	53.0	**No**

***Note** : The predicted noise levels are less than the measured ambient noise levels.*

Table 7-15 Threshold 3 and Threshold 4 – Full Operation Option B vs. Measured Ambient Noise

Receptor Location	Predicted Noise Levels			Measured Ambient	Significant Impact ?
	7 am - 7 pm	7 pm - 10 pm	10 pm - 7 am		
Coronado Island Marriott Resort & Spa	49.1	49.1	48.6	50.2	**No**
Cesar Chavez Park	58.8	58.8	56.6	59.3	**No**
1861 Newton Ave.	48.3	48.3	46.9	54.9	**No**
Perkins Elementary School	51.0	51.0	49.8	56.6	**No**
Monarch School	49.6	49.6	48.3	56.9	**No**
Hilton Hotel	49.4	49.4	49.1	53.0	**No**
Bayfront Park	47.0	- - -	- - -	53.0	**No**
Embarcadero Marina Park South	45.2	- - -	- - -	53.0	**No**

***Note** : The predicted noise levels are less than the measured ambient noise levels.*

8.0 COMBINED MITSUBISHI PROJECT CONSTRUCTION PLUS TRANSIT SHED #2 DEMOLITION

The Tenth Avenue Marine Terminal (TAMT) Redevelopment Plan calls for the demolition of Transit Shed #2 sometime between 2017 and 2020. It is anticipated that the Transit Shed #2 demolition will overlap with the Mitsubishi Project Phase I construction. The Transit Shed #2 demolition is expected to take eight to ten weeks. Once the demolition is complete, the demolition debris will be sorted and the next three to five weeks will be spent crushing and hauling away the concrete and asphalt materials.

The three dimensional noise model was used to predict the sound pressure level at the eight sensitive receptors for (*1*) the Mitsubishi Project Phase I construction plus the demolition of Transit Shed #2 and (*2*) the Mitsubishi Project Phase 1 construction plus the crushing of the Transit Shed #2 demolition debris. The equipment sound power emission levels for the combined construction, demolition and crushing operations are listed in ***Table 8-1*** and ***Table 8-2*** (respectively).

The daytime Leq levels, CNEL & Ldn levels predicted at the eight (8) sensitive receiver locations are presented in ***Table 8-3*** and ***Table 8-4***.

The combined Mitsubishi Project construction plus Transit Shed #2 demolition and crushing operation would **not** expose persons to, or generate, noise levels in excess of established standards, The noise levels predicted at the eight sensitive receiver locations are less than the noise level limits (refer to ***Table 8-5*** and ***Table 8-6)***.

The combined Mitsubishi Project construction plus Transit Shed #2 demolition and crushing operation would **not** result in a substantial temporary or periodic increase in ambient noise levels and the combined construction won't increase the noise above ambient. The noise levels predicted at the eight sensitive receiver locations are less than the current ambient noise levels as shown in ***Table 8-7*** and ***Table 8-8***.

Table 8-1 Mitsubishi Phase I Construction + Transit Shed #2 Demolition - Equipment Sound Power Emission Levels

	Octave Band Sound Power Levels [Lw, dBA]									
Construction Noise Source Name	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1K Hz**	**2K Hz**	**4K Hz**	**8K Hz**	**16K Hz**	**Overall**
Mitsubishi Phase I Construction Equipment (Area Source)	86.9	92.9	97.9	101.9	105.9	102.9	97.9	99.5	72.1	**109.5**
Mitsubishi Phase I Truck Idle (25/day, 5 min. idle, Point Source)	84.4	87.9	93.3	100.8	103.4	100.2	92.3	90.4	79.4	**107.0**
Transit Shed #2 Demolition Equipment (Area Source)	84.1	90.1	95.1	99.1	103.1	100.1	95.1			**106.7**

				Usage	**Sound Power Level dB(A)**
Transit Shed #2 Demolition Equipment	**Hours**	**Number**	**L50 ft**	**Factor**	**Lw**
Excavator / Backhoe, Cat 320	8	4	80	40%	100.7
Front End Loader	8	2	81	40%	98.6
Crane - 30 Ton, 130 HP	8	1	88	20%	99.6
BobCat	8	1	73	40%	87.6
Dozer	8	1	85	40%	99.6
Gas Generator	8	1	81	100%	99.6
					106.7

*Note: The sound power emission levels for the Mitsubishi Phase I construction equipment (109.5 dBA) and truck idling (107.0 dBA) represent a worst-case condition (refer to **Section 5.0** and **Table 5-1**). The sound power emission for the Transit Shed #2 demolition (106.7 dBA) also represents a worst-case condition and is calculated assuming that all demolition equipment will operate simultaneously.*

Table 8-2 Mitsubishi Phase I Construction Plus Transit Shed #2 Crushing - Equipment Sound Power Emission Levels

Construction Noise Source Name	Octave Band Sound Power Levels [Lw, dBA]									
	63 Hz	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	8K Hz	16K Hz	Overall
Construction Equipment (Area Source)	86.9	92.9	97.9	101.9	105.9	102.9	97.9	99.5	72.1	**109.5**
Truck Idle, 25 trucks per day, 5 minute idle time (Point Source)	84.4	87.9	93.3	100.8	103.4	100.2	92.3	90.4	79.4	**107.0**
Transit Shed #2 Crushing & Hauling (Area & Point Sources)	82.2	88.2	93.2	97.2	101.2	98.2	93.2			**104.8**

Transit Shed #2 Crushing Equipment	Hours	Number	L50 ft	Usage Factor	Sound Power Level dB(A) Lw
Front End Loader	8	2	81	40%	98.6
Hydrolic Hammer, Crusher	8	1	85	100%	103.6
					104.8

*Note: The sound power emissions for the Mitsubishi Phase I construction equipment (109.5 dBA) and truck idling (107.0 dBA) represent a worst-case condition (refer to **Section 5.0** and **Table 5-1**). The sound power emission for the Transit Shed #2 debris crushing (104.8 dBA) also represents a worst-case condition and is calculated assuming that front end loader and crusher will operate simultaneously.*

Table 8-3 Predicted Noise Levels – Mitsubishi Phase I Construction & Transit Shed #2 Demolition [dBA]

Receptor Location	Phase I Construction & Transit Shed #2 Demolition [dBA]				
	Leq,d	Leq,e	Leq,n	CNEL	LDN
Coronado Island Marriott Resort & Spa	46.3	-	-	45.5	44.1
Cesar Chavez Park	48.0	-	-	47.1	45.8
1861 Newton Ave.	36.9	-	-	36.3	34.8
Perkins Elementary School	39.7	-	-	38.9	37.5
Monarch School	39.6	-	-	38.8	37.4
Hilton Hotel	42.2	-	-	41.6	40.1
Bayfront Park	40.3	-	-	39.7	38.2
Embarcadero Marina Park South	38.9	-	-	38.3	36.8

Table 8-4 Predicted Noise Levels – Mitsubishi Phase I Construction & Transit Shed #2 Crusher & Hauling

Receptor Location	Phase I Construction & Transit Shed #2 Crusher & Hauling [dBA]				
	Leq,d	Leq,e	Leq,n	CNEL	LDN
Coronado Island Marriott Resort & Spa	46.0	-	-	45.2	43.8
Cesar Chavez Park	48.2	-	-	47.3	46.0
1861 Newton Ave.	36.6	-	-	35.9	34.5
Perkins Elementary School	39.4	-	-	38.7	37.2
Monarch School	39.1	-	-	38.3	36.9
Hilton Hotel	41.6	-	-	41.0	39.5
Bayfront Park	39.7	-	-	39.1	37.6
Embarcadero Marina Park South	38.6	-	-	37.9	36.5

Table 8-5 Noise Impact Assessment - Mitsubishi Phase I Construction & Transit Shed #2 Demolition vs. Limits

	Daytime 7 am - 7 pm [dBA]			Evening 7 pm - 10 pm [dBA]			Nighttime 10 pm - 7 am [dBA]		
Receptor Location	**Predicted**	**Limit**	**Impact?**	**Predicted**	**Limit**	**Impact?**	**Predicted**	**Limit**	**Impact?**
Coronado Island Marriott Resort & Spa	46.3	75.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Cesar Chavez Park	48.0	75.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
1861 Newton Ave.	36.9	75.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Perkins Elementary School	39.7	75.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Monarch School	39.6	75.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Hilton Hotel	42.2	75.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Bayfront Park	40.3	75.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Embarcadero Marina Park South	38.9	75.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**

Note: The predicted noise levels represent the worst-case scenario for the combined impact from the Mitsubishi Phase I Construction and the Transit Shed #2 demolition. The construction/demolition hours are 7 am to 7 pm therefore the evening and nighttime levels were not calculated.

Table 8-6 Noise Impact Assessment - Mitsubishi Phase I Construction & Transit Shed #2 Crusher & Hauling vs. Limits

	Daytime 7 am - 7 pm [dBA]			Evening 7 pm - 10 pm [dBA]			Nighttime 10 pm - 7 am [dBA]		
Receptor Location	**Predicted**	**Limit**	**Impact?**	**Predicted**	**Limit**	**Impact?**	**Predicted**	**Limit**	**Impact?**
Coronado Island Marriott Resort & Spa	46.0	60.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Cesar Chavez Park	48.2	60.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
1861 Newton Ave.	36.6	57.5	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Perkins Elementary School	39.4	62.5	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Monarch School	39.1	62.5	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Hilton Hotel	41.6	67.5	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Bayfront Park	39.7	60.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**
Embarcadero Marina Park South	38.6	60.0	**No**	- - -	- - -	**No**	- - -	- - -	**No**

Note: The predicted noise levels represent the worst-case scenario for the combined impact from the Mitsubishi Phase I Construction and the Transit Shed #2 crushing. The construction/demolition hours are 7 am to 7 pm therefore the evening and nighttime levels were not calculated.

Table 8-7 Noise Impact Assessment - Mitsubishi Phase I Construction & Transit Shed #2 Demolition vs. Ambient

Receptor Location	Predicted Noise Levels			Measured	Significant
	7 am - 7 pm	7 pm - 10 pm	10 pm - 7 am	Ambient	Impact ?
Coronado Island Marriott Resort & Spa	46.3	- - -	- - -	50.2	**No**
Cesar Chavez Park	48.0	- - -	- - -	59.3	**No**
1861 Newton Ave.	36.9	- - -	- - -	54.9	**No**
Perkins Elementary School	39.7	- - -	- - -	56.6	**No**
Monarch School	39.6	- - -	- - -	56.9	**No**
Hilton Hotel	42.2	- - -	- - -	53.0	**No**
Bayfront Park	40.3	- - -	- - -	53.0	**No**
Embarcadero Marina Park South	38.9	- - -	- - -	53.0	**No**

Note: The predicted noise levels represent the worst-case scenario for the combined impact from the Mitsubishi Phase I Construction and the Transit Shed #2 demolition. The measured ambient noise levels are described in ***Section 4.0****. The construction/demolition hours are 7 am to 7 pm therefore the evening and nighttime levels were not calculated.*

Table 8-8 Noise Impact Assessment - Mitsubishi Phase I Construction & Transit Shed #2 Crusher & Hauling vs. Ambient

Receptor Location	Predicted Noise Levels			Measured	Significant
	7 am - 7 pm	7 pm - 10 pm	10 pm - 7 am	Ambient	Impact ?
Coronado Island Marriott Resort & Spa	46.0	- - -	- - -	50.2	**No**
Cesar Chavez Park	48.2	- - -	- - -	59.3	**No**
1861 Newton Ave.	36.6	- - -	- - -	54.9	**No**
Perkins Elementary School	39.4	- - -	- - -	56.6	**No**
Monarch School	39.1	- - -	- - -	56.9	**No**
Hilton Hotel	41.6	- - -	- - -	53.0	**No**
Bayfront Park	39.7	- - -	- - -	53.0	**No**
Embarcadero Marina Park South	38.6	- - -	- - -	53.0	**No**

Note: The predicted noise levels represent the worst-case scenario for the combined impact from the Mitsubishi Phase I Construction and the Transit Shed #2 crushing. The measured ambient noise levels are described in ***Section 4.0****. The construction/demolition hours are 7 am to 7 pm therefore the evening and nighttime levels were not calculated.*

Appendix G

Comparative Traffic Impact Analysis,
Mitsubishi Warehouse C (Supplemental),
San Diego, California

COMPARATIVE TRAFFIC IMPACT ANALYSIS

MITSUBISHI WAREHOUSE C (SUPPLEMENTAL)

City of San Diego, California
October 14, 2019

LLG Ref. 3-19-3160

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EXECUTIVE SUMMARY

The following report has been prepared to evaluate the methodologies, volumes and analyses prepared for the Final Program Environmental Impact Report (EIR) for the San Diego Unified Port District's (District) Tenth Avenue Marine Terminal (TAMT) Redevelopment Plan and Demolition and Initial Rail Component (Redevelopment Plan) dated December 2016. The traffic analysis in the Final TAMT program EIR is based on empirical traffic volume data that was collected in 2014, and validated in 2015.

The Proposed Project was contemplated as part of the programmatic analysis for the Full TAMT Plan Buildout and accounted for in the collective programmatic traffic evaluated in the EIR.

This comparative traffic impact analysis presents the final program EIR's results for near-term and long-term street system operations for select locations susceptible to changes in Level of Service since 2014. Additionally, updated analyses has been prepared for the analogous Existing, Near-Term and Year 2035 conditions based on supplemental 2019 data.

These results were used to ascertain whether changes have occurred in the intervening five years as compared to the final program EIR's results.

Table ES–1 below summarizes the results of the analysis:

TABLE ES–1
EXECUTIVE SUMMARY

Report Section	Information Reviewed	Changes from Final PEIR TIA?
5.0	Analysis methodology	Yes
6.0	Existing roadway network and traffic volumes	Yes
7.0	Near-term cumulative projects	Yes
8.0	Year 2019 "Existing" baseline operations	Yes
9.0	Near-term base (without project) operations	Yes
10.0	Near-term base (plus project) operations	Yes
11.0	Year 2035 (buildout) roadway network and traffic volumes	No
12.0	Year 2035 buildout base (without project) operations	Yes
13.0	Year 2035 buildout (plus project) operations	Yes
14.0	Construction operations	Yes

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COMPARATIVE TRAFFIC IMPACT ANALYSIS

MITSUBISHI WAREHOUSE C (SUPPLEMENTAL)

City of San Diego, California
October 14, 2019

1.0 INTRODUCTION

The Mitsubishi Cement Corporation at Warehouse C: Bulk Cement Warehouse and Loading Facility Project (Proposed Project) is located west of Interstate 5 (I-5) and west of Harbor Drive, at the western terminus of Cesar E. Chavez Parkway in the City of San Diego. The District is the lead reviewing agency of the environmental review, including this traffic study.

Figure 1–1 shows the project vicinity and ***Figure 1–2*** illustrates, in more detail, the site location and the study area.

The Proposed Project was contemplated as part of the programmatic analysis for the Full TAMT Plan Buildout and accounted for in the collective programmatic traffic evaluated in the EIR. The study area for the Proposed Project was derived based on its singular trip generation, and was therefore a subset of the overall study area evaluated in the final program EIR.

This comparative traffic impact analysis presents the final program EIR's results for near-term and long-term street system operations for select locations susceptible to changes in Level of Service since 2014. Additionally, updated analyses has been prepared for the analogous Existing, Near-Term and Long-Term conditions based on supplemental 2019 data.

The comparative analyses presented in this report reviews the following:

- Analysis methodology
- Existing roadway network and traffic volumes
- Near-term cumulative projects
- Year 2019 "Existing" baseline operations
- Near-term base (without project) operations
- Near-term base (plus project) operations
- Year 2035 (buildout) roadway network and traffic volumes
- Year 2035 buildout base (without project) operations
- Year 2035 buildout (plus project) operations
- Construction operations

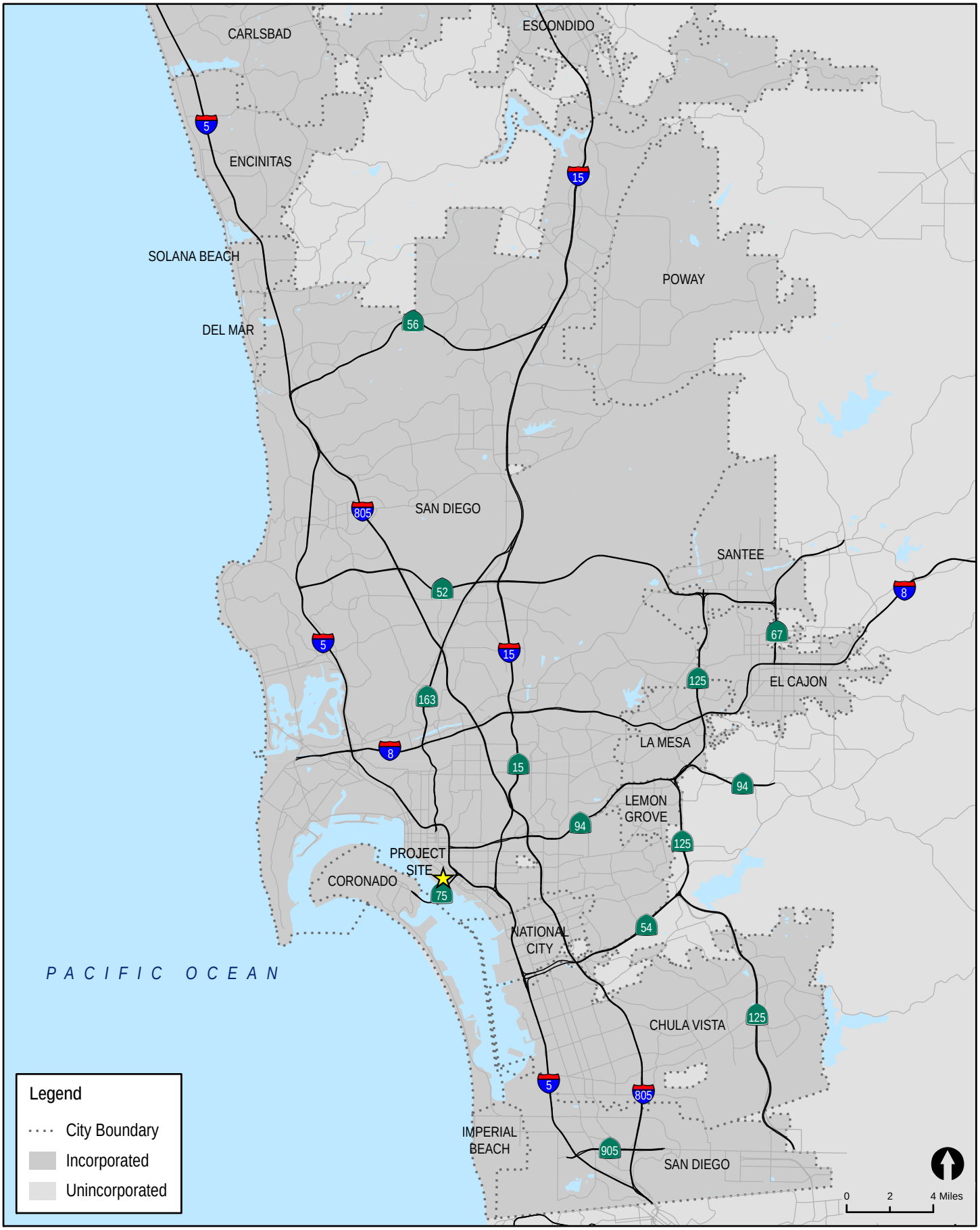

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Figure 1-1

Vicinity Map

MITSUBISHI WAREHOUSE C SUPPLEMENTAL

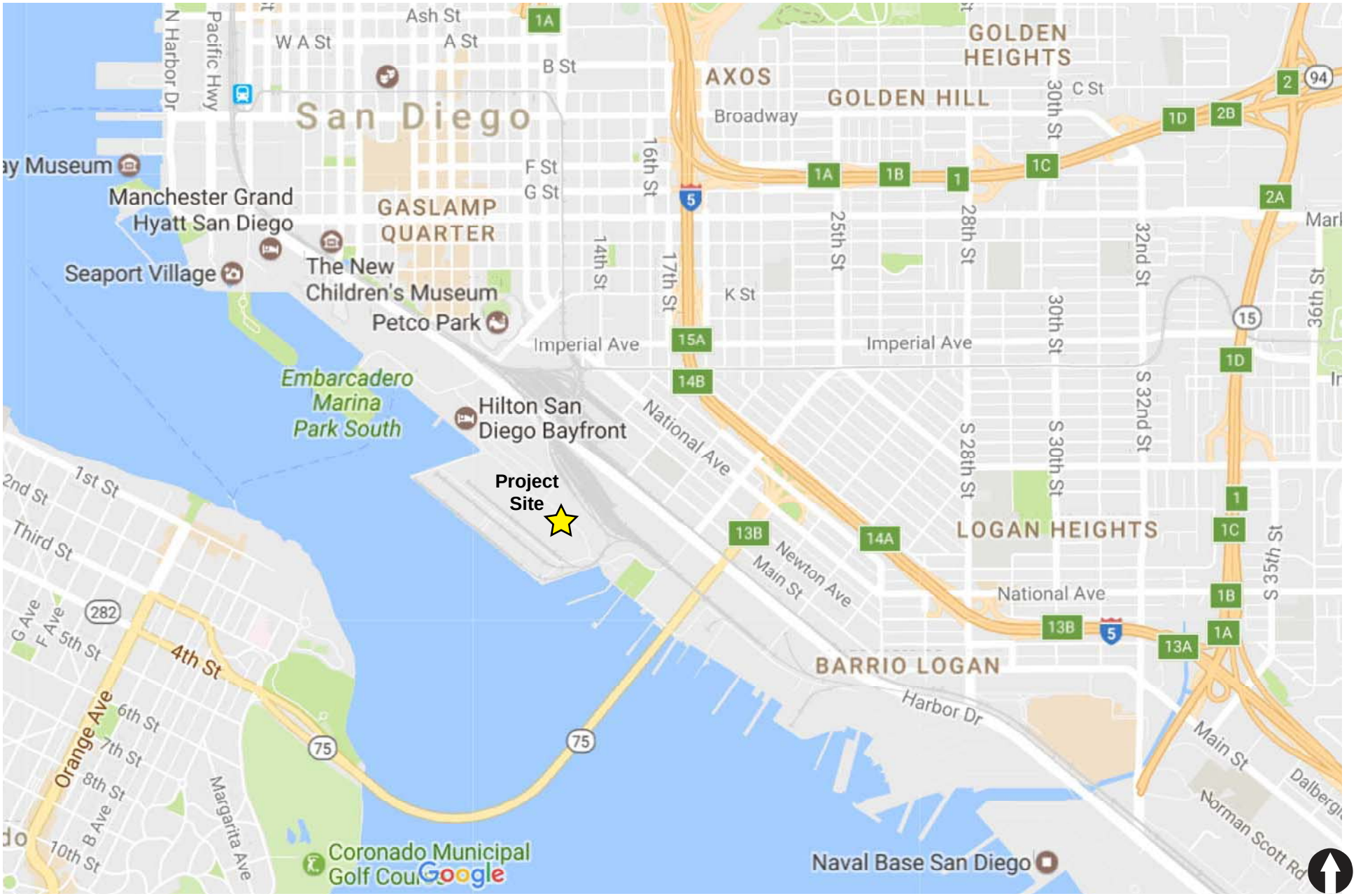

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Figure 1-2

Project Area Map

MITSUBISHI WAREHOUSE C SUPPLEMENTAL

2.0 COMPARATIVE EVALUATION – APPROACH

2.1 Overview

The intent of this traffic impact analysis is to determine what if any changes have occurred with respect to street system operations between the analyses completed for the final program EIR (2016) and the current 2019 condition. Traffic data for the former were collected in 2014, five years prior to the latter. Besides changes to the existing traffic volumes condition, near-term cumulative and long-term conditions have changes, as have key methodologies for evaluating traffic operations.

2.2 Traffic Data Sets

To accomplish the comparative evaluations, the data and analysis conditions presented in the *Tenth Avenue Marine Terminal Final Report (Chen Ryan, August 22, 2016)* TIA prepared for the final program EIR is compared to data and analysis collected and prepared by LLG in October 2019.

The final program EIR TIA evaluated the effects of the overall TAMT redevelopment projects (including the Warehouse C Proposed Project) for the Existing, Near-Term (2021) and Long-Term Buildout (2035) conditions. As the "existing" year of that analysis was 2014, its "near-term base condition" was 2021. By contrast, the "existing" condition for the supplemental analysis in this report is 2019; therefore, there is no direct comparison to be made between the two analyses' "existing" years given that five years has elapsed.

However, analogous comparisons of supplemental data to the final program EIR's other development conditions (near-term and long-term baseline and baseline + project) can be approximated. For example, the supplemental 2019 existing data would be analogous to the final program EIR's "Near-Term Year 2021 Base Conditions". In this case, Year 2021 Base Conditions represent the (then) existing 2014 counts plus the addition of cumulative projects' growth. A review of the cumulative projects list from the final program EIR TIA indicates that the majority of them are built and operating in 2019. As such, the Near-Term Year 2021 Base volumes can be considered analogous to the supplemental 2019 "Existing" volumes, as the former's cumulative project growth is captured within the latter's existing volumes.

Table 2–1 provides a summary and discussion of the comparative analysis conditions between the final program EIR and the 2019 supplemental data.

2.3 Analysis Methodologies and Significance Criteria

Apart from changes to the traffic volumes sets that occur over time, industry-standard methodologies are constantly evolving, as do a lead agency's significance criteria. Thus, a comparative review of these analytical and regulatory frameworks is also provided to determine what if any changes may have occurred.

TABLE 2–1
COMPARATIVE ANALYSIS CONDITIONS – FINAL PROGRAM EIR TO 2019 SUPPLEMENTAL DATA

Condition	Final Program EIR TIA Data	2019 Supplemental Data	Comments
Baseline Conditions (No Project)			
Existing Conditions	"Near-Term Year 2021 Base Conditions"	Year 2019	The "Year 2021 Base Conditions" include the existing 2014 traffic volumes, plus development of the cumulative projects' traffic identified in that report. As the majority of those projects have been built, their volumes are captured in the existing 2019 supplemental data. However, as some of the TAMT final program EIR's cumulative remain to be built, the "Year 2021 Base Conditions" volumes may be somewhat overstated against the 2019 supplemental data, so the comparison of these data sets is considered generally analogous, but not direct.
Cumulative Conditions	"Near-Term Year 2021 Base Conditions"	Year 2019 + Cumulative	The "Year 2021 Base Conditions" include the existing 2014 traffic volumes, plus development of the cumulative projects' traffic identified in that report. As the majority of those projects have been built, their volumes are captured in the existing 2019 supplemental data. There are additional cumulative projects identified in the supplemental review which were not evaluated in the final program EIR's cumulative assessment. As such, Existing + Cumulative supplemental volumes may be somewhat overstated against the TAMT final program EIR's "Year 2021 Base Conditions", so the comparison of these data sets is considered generally analogous, but not direct.
Buildout Conditions	"Future Year 2035 Base Conditions"	–	The Mitsubishi lease options would not extend beyond Year 2035. The City's traffic model remains the SANDAG Series 12 model as was used in the TAMT final program EIR. As such, there is no new or additional comparative supplemental traffic model volume data to evaluate, although changes in freeway analysis methodology have occurred. Therefore, a comparative analysis of the Year 2035 Base freeway volumes from the TAMT final program EIR is conducted to illustrate the effects of this change in methodology.
Baseline + Project Conditions			
Near-Term + Project	"Near-Term Year 2021 Base Plus Project Conditions"	Year 2019 + Cumulative + Proposed Project	The final program EIR Project traffic volumes reflect the programmatic TAMT project, including the Proposed Project (Mitsubishi Warehouse C). The 2019 supplemental analysis reflects only the Proposed Project volumes. As such, the comparison of these data sets is considered generally analogous, but not direct.
Buildout + Project	"Future Year 2035 Base Plus Project Conditions"	–	The Mitsubishi lease options would not extend beyond Year 2035. The City's traffic model remains the SANDAG Series 12 model as was used in the TAMT final program EIR. As such, there is no new or additional comparative supplemental traffic model volume data to evaluate, although changes in freeway analysis methodology have occurred. Therefore, a comparative analysis of the Year 2035 Base Plus Project freeway volumes from the TAMT final program EIR is conducted to illustrate the effects of this change in methodology.

2.4 Study Area

This comparative traffic impact analysis evaluates 6 of the 11 signalized intersection in the final TAMT Program EIR TIA which were shown to operate at LOS D or worse. These intersections were chosen with the understanding that the LOS D-operating locations may have degraded to LOS E/F in the intervening 5 years since the counts and analysis were conducted for the final TAMT Program EIR.

The complete set of ten (10) street segments was evaluated given the general value of the ADT data to present a complete picture of changes to the overall street system operations.

The nine (9) freeway mainline segments evaluated in the final TAMT Program EIR buildout condition were also included in this supplemental analysis.

The following is a summary of the network facilities evaluated in this study:

Signalized Intersections

1. Harbor Drive/ Cesar Chavez Parkway
2. Harbor Drive/ Sampson Street
3. Main Street/ 28th Street
4. National Avenue/ 28th Street
5. Harbor Drive/ 32nd Street
6. Norman Scott Road/ 32nd Street/ Wabash Avenue

Freeway Segments

Interstate 5

1. State Route 94 to Imperial Avenue
2. Imperial Avenue to State Route 75
3. State Route 75 to 28th Street
4. 28th Street to State Route 15
5. State Route 15 to Main Street

State Route 15

6. State Route 94 to Market Street
7. Market Street to Ocean View Boulevard
8. Ocean View Boulevard to Interstate 5
9. Interstate 5 to Norman Scott Road

Roadway Segments

Harbor Drive

1. Beardsley Street to Cesar Chavez Parkway
2. Cesar Chavez Parkway to Sampson Street
3. Sampson Street to Schley Street
4. Schley Street to 28th Street
5. 28th Street to Belt Street
6. Belt Street to 32nd Street

28th Street

7. Harbor Drive to Main Street
8. Main Street to Boston Avenue
9. Boston Avenue to National Avenue

32nd Street

10. Harbor Drive to Norman Scott Road

3.0 "MITSUBISHI WAREHOUSE C" PROJECT DESCRIPTION

All of the 2019 supplemental "plus Project" analyses in this report reflect the effects of the Proposed Project (Mitsubishi Warehouse C). The following is description of the Proposed Project.

3.1 Project Description

The Proposed Project site is located at 645 Switzer Street (Warehouse C) on the District's TAMT. Development of the Project involves two phases of improvements to Bays C-7 through C-10 of Warehouse C for the receipt, storage, and distribution of cement and cementitious materials including, but not limited to, cement, slag, fly ash, and pozzolans. At maximum operation, the Proposed Project would be able to import and distribute up to 600,000 metric tons per year (MT/yr) of cementitious material. The cementitious material would be pneumatically unloaded into Warehouse C from dry bulk cargo ships using mobile vacuum unloaders. At maximum operation there would be up to 24 vessel calls per year at Berths 10-7/10-8.

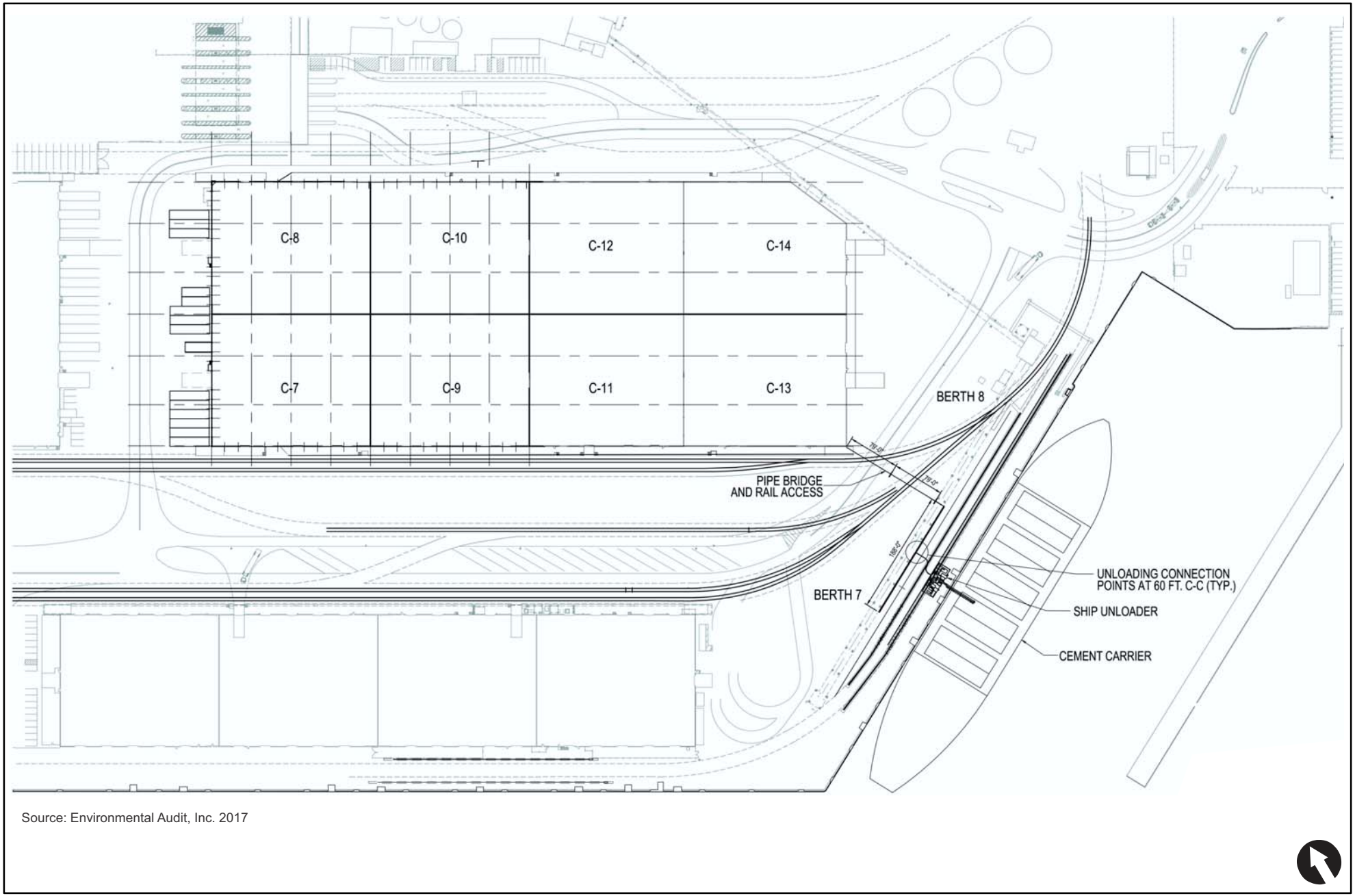
The proposed site encompasses approximately 2.4 acres of land within the southwestern end of the TAMT and a portion of the Commercial Pier. Cesar E. Chavez Park bounds TAMT on the south and San Diego Bay bounds the site on the west. A parcel north of Crosby Road is presently an asphalt paved, non-striped, fenced parking area. The District proposes to continue to utilize this parcel for employee, visitor and shared tenant parking.

At maximum operation the Proposed Project would be able to unload and distribute up to 600,000 MT of cementitious material annually. The demand for cementitious material fluctuates due to seasonal and economic drivers. However, at full throughput, it is estimated that the facility would generate an estimated 24,000 round-trip truck trips per year1. An annual average of 66 trucks round trip truck trips per day, based on 600,000 MT/yr using trucks with a carrying capacity of 25 MT over 365 days. However, based on maximum loading capabilities, the maximum number of round-trip truck trips from the Project site would be 176 per day on a peak day, but no more than 145 trucks per day on a 30-day rolling average. For the purposes of this analysis, the peak day demand of 176 trucks is evaluated.

Major circulation facilities in the area include State Route 75 (SR 75), also known as the Coronado Bridge, approximately 0.25 mile to the south, and I-5, approximately 0.5 mile to the north. Project truck traffic is to be routed to and from the site and the regional freeway system through Harbor Drive via 28th Street, 32nd Street and Civic Center Drive. Truck traffic will enter and exit the TAMT through the existing Crosby Road Gate.

Figure 3–1 shows the Proposed Project's site plan.

[1] A "round-trip" is the same as an Average Daily Trip (ADT) for the purposes of traffic generation and analysis.



Source: Environmental Audit, Inc. 2017

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Figure 3-1

Site Plan

MITSUBISHI WAREHOUSE C SUPPLEMENTAL

4.0 MITSUBISHI WAREHOUSE C TRIP GENERATION/DISTRIBUTION/ASSIGNMENT

The following is discussion of the Proposed Project traffic generation, and the distribution and assignment.

4.1 Trip Generation

The Final TAMT Program EIR evaluated trip generation for "dry bulk", to include 227 new trucks/day as part of an overall increase in trucks of 423 trucks/day. Also evaluated were an increase in dock workers and administrative staff as part of the overall redevelopment plan.

The Proposed Project proposes a peak, maximum increase in daily trucks of 176/day, with a corresponding peak increase in daily dock workers of 48. The trip generation rates, Passenger Car Equivalence (PCE) factors, and peak hour percentages and in/out splits were all taken from the Final TAMT Program EIR traffic study to maintain consistency with that document.

Table 4–1 tabulates the total Proposed Project traffic generation for the peak period of operations. This table shows that Proposed Project is calculated to generate approximately 1,200 ADT with 76 total AM/PM peak hour trips, with 38 inbound/ 38 outbound trips during either peak hour.

TABLE 4–1
PROPOSED PROJECT TRIP GENERATION

Type	Quantity	Daily Volumes			AM Peak Hour					PM Peak Hour				
		Rate [a]	PCE [b]	ADT [c]	%	Split	In	Out	Total	%	Split	In	Out	Total
Trucks	176	2/truck	3	1,056	4%	5:5	22	22	44	4%	5:5	22	22	44
Dock Workers	48	3/emp	1	144	22%	5:5	16	16	32	22%	5:5	16	16	32
Total	**–**	**–**	**–**	***1,200***	**–**	**–**	***38***	***38***	***76***	**–**	**–**	***38***	***38***	***76***

Footnotes:

a. Rate is based *Tenth Avenue Marine Terminal Redevelopment Plan Final Report* (Chen Ryan, 2016).

b. PCE – Passenger Car Equivalence factor. 3.0 for trucks is based on the *Tenth Avenue Marine Terminal Redevelopment Plan Final Report* (Chen Ryan, 2016).

c. ADT = Average Daily Traffic.

4.2 Trip Distribution/Assignment

Two (2) separate Project trip distributions were utilized, one for truck traffic and one for employee traffic. Truck traffic is restricted to routes based on the District's *Port Access Projects – 10th Avenue Marine Terminal Truck O-D Study* and existing truck routes, as was used in the Final TAMT Program EIR. ***Appendix A*** shows the truck and employee traffic distribution/assignment from the Mitsubishi Warehouse C traffic impact study. ***Figure 4–1*** shows the total Proposed Project traffic volumes.

4.3 Truck Routes

LLG reviewed the City of San Diego's Truck Route and Prohibition Map (Barrio Logan) and confirmed that the Proposed Project's truck traffic is distributed to legal truck routes (28th and 32nd Streets).

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Figure 4-1

Total Mitsubishi Warehouse C Project Traffic Volumes

MITSUBISHI WAREHOUSE C SUPPLEMENTAL

5.0 ANALYSIS METHODOLOGY COMPARISON

5.1 Overview

A given project's traffic impacts are evaluated by using published and approved methodologies to analyze traffic volume data under different conditions. The results of these analyses are then compared to a lead agency's published significance criteria to evaluate if the impacts are significant and warrant mitigation. To compare two analyses for changes in circumstances, not only must the traffic data and corresponding analysis results be compared, but also the methodological and regulatory frameworks within which the two studies are developed.

5.2 TAMT Final Program EIR TIA Analysis Methodology and Significance Criteria

The TAMT final program EIR TIA was completed using the City of San Diego's published *Traffic Impact Study Manual (July 1998)*.

The intersection analyses were prepared using operational analysis procedures as outlined in the 2010 Highway Capacity Manual. The measures of effectiveness utilized were intersection control delay (measured in seconds) and a corresponding Level of Service (LOS).

Street segments were evaluated on an average daily traffic (ADT) basis relative to the daily roadway capacity defined by the City of San Diego's Roadway Classification and LOS Standards table. The measures of effectiveness utilized were Volume/Capacity (V/C) ratios and a corresponding LOS.

Freeway segments were evaluated on a peak hour directional basis relative to the hourly roadway capacity generally utilized by Caltrans District 11. The measures of effectiveness utilized were V/C ratios and a corresponding LOS.

The TAMT final program EIR TIA utilized the City of San Diego's published *Significance Determination Thresholds (January 2011)*.

5.3 Year 2019 Supplemental Analysis Methodology and Significance Criteria

The Proposed Project's TIA and the supplemental analysis contained in this report were also completed using the City of San Diego's published *Traffic Impact Study Manual (July 1998)*.

The intersection analyses were prepared using operational analysis procedures as outlined in the Highway Capacity Manual 6th Edition (HCM 6) published in 2016. The measures of effectiveness utilized were intersection control delay (measured in seconds) and a corresponding LOS.

Street segments were evaluated on an ADT basis relative to the daily roadway capacity defined by the City of San Diego's Roadway Classification and LOS Standards table. The measures of effectiveness utilized were V/C ratios and a corresponding LOS.

Freeway segments were evaluated on a peak hour directional basis using Highway Capacity Manual methodology to develop traffic volume density, as currently utilized by Caltrans District 11. The

measures of effectiveness utilized were Volume/Capacity (V/C) ratios based on density, and a corresponding LOS.

The Proposed Project's TIA and the supplemental analysis contained in this report utilized the City of San Diego's published *Significance Determination Thresholds (January 2011)*.

5.4 Summary

The following two (2) differences in methodology are observed between the TAMT final program EIR TIA and the Proposed Project's TIA and the supplemental analysis contained in this report:

- 2010 Highway Capacity Manual methodology vs. HCM6 methodology;
- Freeway V/C methodology vs. Highway Capacity Manual density methodology

The HCM 6 methodology is the latest version of the HCM, and is the standard methodology utilized in the region for planning-level traffic impact analyses. While the changes in the signalized intersection analysis calculations between the 2010 HCM and HCM 6 do result in different outputs (delay) for the same volume and geometry sets, these difference are generally observed to be incremental.

There is an observable change in the Highway Capacity Manual methodology between the TAMT final program EIR TIA and the 2019 supplemental data.

In recent years, Caltrans District 11 has moved back to the HCM for density-based computerized LOS results. Generally, this requires computerized analysis of a freeway segment to include geometric data such as lane widths, shoulder widths, free-flow speeds, etc. as compared to the previous V/C method which only accounted for segment-specific volumes measured against a generic segment capacity. Ultimately, both methods produce a V/C result as well as a Level of Service, so the measures of effectiveness are consistent. Unlike the change in intersection HCM methodology described above, the relative effect of the change in freeway V/C methodology on a given set of volumes is unknown.

There is an observable change in the freeway analysis methodology between the TAMT final program EIR TIA and the 2019 supplemental data.

6.0 EXISTING ROADWAY NETWORK AND TRAFFIC VOLUMES COMPARISON

6.1 Overview

The TAMT final program EIR TIA discloses that for all near-term and long-term conditions, no changes or improvements to the existing roadway network were assumed.

LLG reviewed the existing conditions inputs used in that study and compared them to the existing 2019 conditions observed in the field. No changes in network conditions were observed.

Appendix B shows the Existing Conditions diagram from the TAMT final program EIR TIA.

6.2 TAMT Final Program EIR TIA Traffic Volumes

The Existing Conditions traffic volumes (intersections/segments) used in the TAMT final program EIR TIA were collected and obtained in 2014. As discussed in *Section 2.2* of this report, these 2014 "existing" traffic volumes do not directly correlate to any supplemental volumes conditions (i.e. "Existing"), as the existing supplemental volumes are from 2019, five years later.

Therefore, the "Near-Term 2021 Base Conditions" from the TAMT final program EIR TIA are the most analogous to the supplemental "Existing" condition for comparison purposes.

Figure 6–1a shows the TAMT final program EIR TIA "Near-Term 2021 Base Conditions" traffic volumes.

6.3 Year 2019 Supplemental Traffic Volumes

LLG commissioned traffic counts for the study area intersections and street segments in October 2019. LLG obtained the latest available Year 2017 freeway volume data from the Caltrans Traffic Census Program in October 2019.

Figure 6–1b shows the Existing Year 2019 Supplemental traffic volumes. ***Appendix C*** contains the supplemental intersection and street segment count sheets.

6.4 Summary

As discussed in *Section 2* of this report, the Existing Year 2019 Supplemental traffic volumes align most with the "Near-Term 2021 Base Conditions" volumes from the TAMT final program EIR TIA given the 5-year difference. The cumulative projects assumed in the latter have largely been developed, and are now captured in the former.

Table 6–1 shows a comparison of these two data sets. This table shows that for 8 of 10 street segments in the study area, daily traffic volumes are lower in 2019 than for the comparable "Near-Term 2021 Base Conditions" from the TAMT final program EIR TIA.

There is an observable change in the comparable "existing" volumes between the TAMT final program EIR TIA and the 2019 supplemental data.

TABLE 6–1
STREET SEGMENT VOLUMES COMPARISON – EXISTING CONDITION

Street Segment	TAMT Final Program EIR (Year 2021 Base) [a]	Supplemental Data (2019)	
	ADT [b]	ADT	Δ [c]
Harbor Drive			
1. Beardsley Street to Cesar Chavez Parkway	24,460	16,800	-31%
2. Cesar Chavez Parkway to Sampson Street	15,744	11,920	-24%
3. Sampson Street to Schley Street	17,292	13,900	-20%
4. Schley Street to 28th Street	16,868	13,440	-20%
5. 28th Street to Belt Street	22,496	20,360	-9%
6. Belt Street to 32nd Street	21,048	19,950	-5%
28th Street			
7. Harbor Drive to Main Street	17,184	12,820	-25%
8. Main Street to Boston Avenue	20,613	16,396	-20%
9. Boston Avenue to National Avenue	23,076	16,170	-30%
32nd Street			
10. Harbor Drive to Norman Scott Road	24,610	27,340	11%

Footnotes:

a. Source: *Tenth Avenue Marine Terminal Final Report* (Chen Ryan, 2016).

b. Average Daily Traffic Volumes.

c. Δ = Percent change from TAMT Final EIR volumes to 2019 Supplemental data.

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Figure 6-1a

TAMT PEIR "Near-Term 2021 base Conditions" Traffic Volumes

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Figure 6-1b

Existing Year 2019 Supplemental Traffic Volumes

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7.0 COMPARISON OF NEAR-TERM CUMULATIVE PROJECTS

7.1 Overview

Cumulative projects are other development projects that may be reasonably foreseen to be constructed and generating traffic at a subject project's "opening day", typically a 0-3 year window from a subject project's "existing" condition. The concept of including cumulative projects' traffic volumes is to acknowledge that other development projects are continually being approved and constructed, and will have a cumulative effect along with the subject project on the street system operations.

Both the TAMT final program EIR TIA and the Proposed Project (as well as this supplemental analysis) utilized a "list of projects" approach, where individual projects are identified based on public records review of applications on file with the City of San Diego, as well as institutional knowledge provided by the District on overall development plans throughout the San Diego Bay region.

7.2 TAMT Final Program EIR TIA Cumulative Volumes

The TAMT final program EIR TIA identified fourteen (14) cumulative projects within close proximity to the TAMT based on input from District and City of San Diego staff. ***Table 7–1*** shows the summary of cumulative projects' traffic generation from that study.

TABLE 7–1
CUMULATIVE PROJECT SUMMARY – TAMT FINAL PROGRAM EIR

I.D.	Project	ADT	AM Peak Hour		PM Peak Hour	
			In	Out	In	Out
1.	Shipyard Sediment Remediation Project	348	44	15	15	44
2.	San Diego Refrigerated Services (SDRS)	148	16	8	8	16
3.	Pier 1N Drydock Project	149	0	0	0	0
4.	Metro Center Project	12,350	287	171	555	555
5.	San Diego Continuing Education – Cesar Chavez Campus	1,152	124	14	28	64
6.	Jack in the Box	1,812	43	29	73	72
7.	Ballpark Village Parcel C	3,622	52	173	217	103
8.	Ballpark Village Parcel D	16,200	583	389	778	518
9.	Park and G	931	15	56	63	30
10.	15th and Island	3,620	65	236	270	125
11.	San Diego Convention Center Phase III Expansion and Hotel	7,590	835	298	461	848
12.	Sprint Cell Tower	0	0	0	0	0
13.	Dole Fresh Fruit Refrigerated Rack Improvement Project	580	53	15	51	53
14.	Mitsubishi Cement Corporation	450	15	9	9	15
	Total	***48,952***	***2,132***	***1,413***	***2,528***	***2,443***

Source: *Tenth Avenue Marine Terminal Final Report* (Chen Ryan, 2016).

Figure 7–1a shows a location map of the fourteen (14) cumulative projects from the TAMT final program EIR TIA.

7.3 Year 2019 Supplemental Cumulative Volumes

Prior evaluation of the Proposed Project impacts considered a total of 29 cumulative projects. ***Appendix D*** contains the relevant cumulative project excerpts from these studies.

For this 2019 supplemental evaluation, LLG reviewed the development status of those 29 cumulative projects, and found the majority to be constructed and operational (and thus captured in the Exiting 2019 supplemental counts) or else expired. Five (5) of the original 29 cumulative projects were considered to be still viable, and are included in the analysis.

The project development team provided LLG with additional cumulative projects in and around the study area to consider. From this list, another five (5) cumulative projects were included.

In total, ten (10) cumulative projects were identified and evaluated in the near-term condition for the supplemental analysis.

Table 7–1 shows the summary of cumulative projects' traffic generation from the supplemental review.

TABLE 7–2
CUMULATIVE PROJECT SUMMARY – 2019 SUPPLEMENTAL ANALYSIS

I.D.	Project	ADT	AM Peak Hour		PM Peak Hour	
			In	Out	In	Out
1.	Portside Pier Restaurant Redevelopment Project	356	14	14	17	11
2.	Boston Commons Project (residential)	30	0	2	2	1
3.	The Barrio Flats (residential)	272	6	13	14	11
4.	U-Stor-It (self storage)	138	4	4	6	6
5.	2142 Logan Avenue (retail/office)	0	0	0	0	0
6.	Ballpark Village D (hotel)	7,200	259	173	346	230
7.	Navy Broadway Complex (mixed use)	23,028	1,487	329	876	1,606
8.	7th and Island (hotel)	1,296	47	31	62	42
9.	7th and Market (mixed use)	5,790	316	138	249	353
10	Modera (residential)	1,532	25	98	97	41
	Total	***39,642***	***2,158***	***802***	***1,669***	***2,301***

Source: *LLG 2019.*

Figure 7–1b shows a location map of Year 2019 Supplemental cumulative projects.

7.4 Summary

Cumulative projects are constantly in a state of change; new projects file applications while old projects expire. Other cumulative projects are constructed and become a part of the existing condition. Also, the location of the cumulative projects and the magnitude of their volumes all have differential effects on a given study area when attempting a comparison.

The change in overall cumulative ADT from the final program EIR to the current 2019 supplemental condition is from 48,952 total ADT to 39,642 total ADT, a reduction of 9,310 ADT (19%).From a holistic perspective, this would indicate that the final program EIR may have overstated cumulative impacts, especially since the comparative "existing" volumes discussed in *Section 6.3* show an overall reduction in existing traffic volumes in 2019 as compared to the forecasted "2014 plus cumulative volumes" from the final program EIR.

There is an observable change in the cumulative volumes summaries between the TAMT final program EIR TIA and the 2019 supplemental data.

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Figure 7-1a

TAMT PEIR Cumulative Projects Location Map

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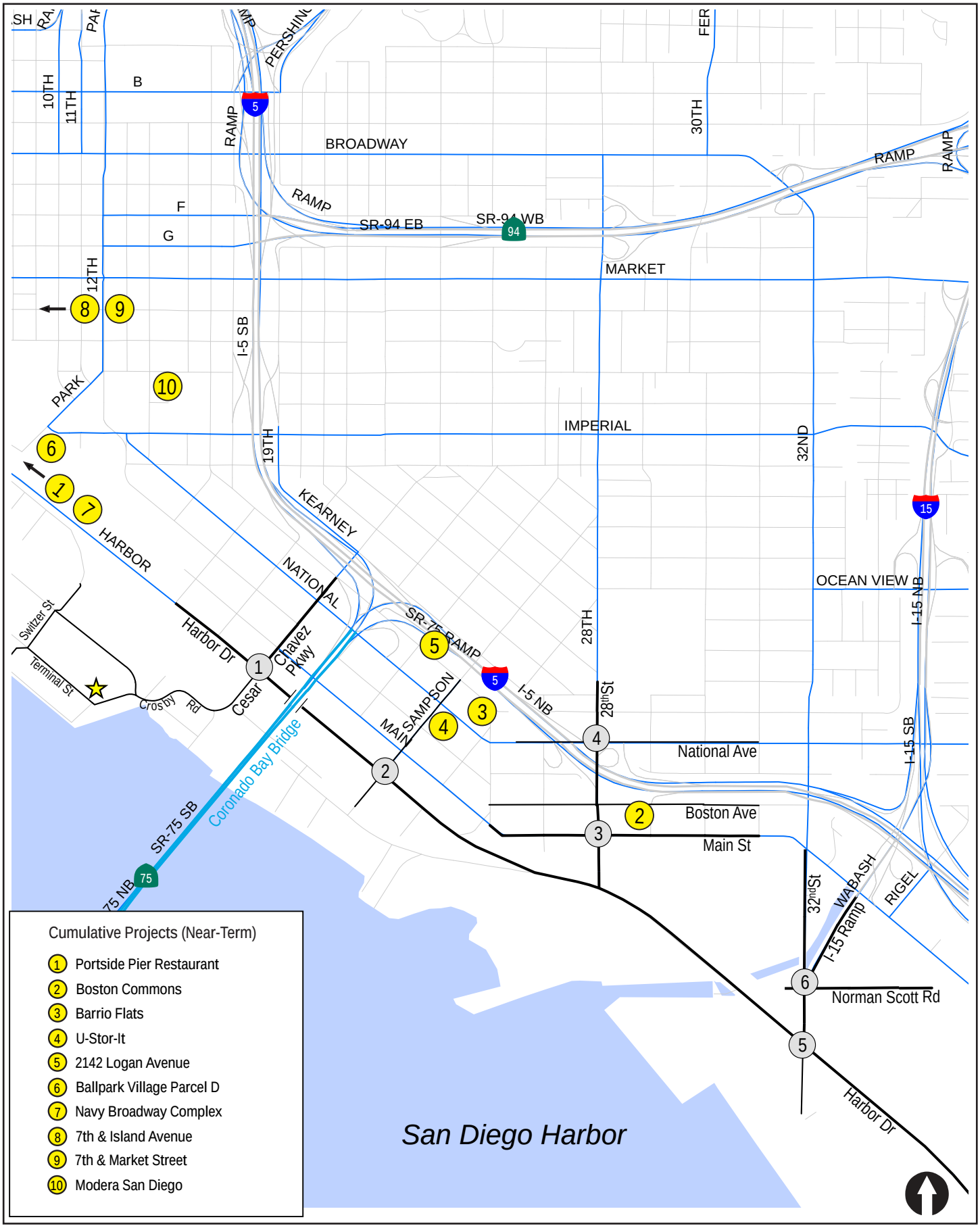

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Figure 7-1b

Year 2019 Supplemental Cumulative Projects Location Map

8.0 YEAR 2019 "EXISTING" BASELINE OPERATIONS COMPARISON

8.1 Overview

The Year 2019 Baseline condition evaluation is a comparison between the TAMT final program EIR TIA "Near-Term Year 2021 Base" condition and the Year 2019 Supplemental (Existing) counts collected in October of 2019.

As discussed in *Section 2.2*, the TAMT final program EIR TIA volumes consist of that study's 2014 "Existing" volumes, plus the list of 14 cumulative projects. As many of those have been built, they are now in the Year 2019 supplemental existing counts. Again, some cumulative from that study remain unbuilt, so the Near-Term Year 2021 Base volumes are analogous to, but not a direct comparison to the Year 2019 supplemental existing counts.

8.2 Intersections

Table 8–1 shows that the Year 2019 supplemental data results in intersection LOS that is generally equal to or better than the "Year 2021 Base" data from the TAMT final program EIR TIA.

Appendix E contains the supplemental Year 2019 baseline HCM calculation sheets.

8.3 Segments

As discussed in *Section 6.4*, the overall street segment ADT's collected in 2019 are generally lower than the "Near-Term Year 2021 Base" condition volumes forecasted in the TAMT final program EIR TIA. As such, the resulting comparative analysis shown in ***Table 8–2*** also reveals LOS results for Year 2019 data that are generally better than the analogous results for the "Near-Term Year 2021 Base" condition.

8.4 Freeway Segments

The TAMT final program EIR TIA did not evaluate freeway segments for the "Near-Term Year 2021 Base" condition. Therefore, no comparative analyses are made for these facilities.

8.5 Summary

The overall "existing" Year 2019 baseline volumes and analysis results show improved LOS for many locations as compared to the "Near-Term Year 2021 Base" condition volumes and analyses presented in the TAMT final program EIR TIA. Again, this is due to lower Year 2019 volumes as compared to the analogous volumes from the TAMT final program EIR TIA.

There is an observable change in the "Existing" baseline street system operations summaries between the TAMT final program EIR TIA and the 2019 supplemental data.

TABLE 8–1
INTERSECTION OPERATIONS COMPARISON – BASELINE ("EXISTING")

Intersection	Control Type	Peak Hour	TAMT Final Program EIR (Year 2021 Base) [a]		Supplemental Data (Year 2019)	
			Delay [b]	LOS [c]	Delay	LOS
1. Harbor Drive/ Cesar Chavez Parkway	Signal	AM	41.0	D	22.8	C
		PM	38.0	D	23.0	C
2. Harbor Drive/ Sampson Street	Signal	AM	43.8	D	37.5	D
		PM	44.9	D	34.1	C
3. Main Street/ 28th Street	Signal	AM	22.2	C	18.1	B
		PM	38.8	D	26.8	C
4. National Avenue/ 28th Street	Signal	AM	42.6	D	33.1	C
		PM	31.5	C	17.8	B
5. Harbor Drive/ 32nd Street	Signal	AM	29.3	C	19.7	B
		PM	43.3	D	35.5	D
6. Norman Scott Road/ 32nd Street/ Wabash Avenue	Signal	AM	**103.2**	**F**	**57.3**	**E**
		PM	**69.6**	**E**	**63.2**	**E**

Footnotes:
a. Source: *Tenth Avenue Marine Terminal Final Report* (Chen Ryan, 2016).
b. Average delay expressed in seconds per vehicle.
c. Level of Service.

SIGNALIZED

DELAY/LOS THRESHOLDS

Delay	LOS
0.0 < 10.0	A
10.1 to 20.0	B
20.1 to 35.0	C
35.1 to 55.0	D
55.1 to 80.0	E
> 80.1	F

TABLE 8–2
STREET SEGMENT OPERATIONS COMPARISON – BASELINE ("EXISTING")

Street Segment	Capacity (LOS E) [a]	TAMT Final Program EIR (Year 2021 Base) [b]		Supplemental Data (2019)	
		ADT [c]	LOS [d]	ADT	LOS
Harbor Drive					
1. Beardsley Street to Cesar Chavez Parkway	40,000	24,460	C	16,800	B
2. Cesar Chavez Parkway to Sampson Street	40,000	15,744	B	11,920	A
3. Sampson Street to Schley Street	40,000	17,292	B	13,900	A
4. Schley Street to 28th Street	40,000	16,868	B	13,440	A
5. 28th Street to Belt Street	40,000	22,496	C	20,360	B
6. Belt Street to 32nd Street	40,000	21,048	C	19,950	B
28th Street					
7. Harbor Drive to Main Street	40,000	17,184	B	12,820	A
8. Main Street to Boston Avenue	30,000	20,613	D	16,396	C
9. Boston Avenue to National Avenue	22,500	**23,076**	**F**	16,170	D
32nd Street					
10. Harbor Drive to Norman Scott Road	50,000	24,610	B	27,340	B

Footnotes:

a. Capacities based on City of San Diego Roadway Classification Table.
b. Source: *Tenth Avenue Marine Terminal Final Report* (Chen Ryan, 2016).
c. Average Daily Traffic Volumes.
d. Level of Service.

9.0 NEAR-TERM BASE (WITHOUT PROJECT) OPERATIONS COMPARISON

9.1 Overview

The Near-Term Base (Without Project) condition evaluation is a comparison between the TAMT final program EIR TIA "Near-Term Year 2021 Base" condition and the Year 2019 Supplemental (Existing) counts plus the addition of current cumulative projects, summarized in *Section 7.3*.

As discussed in *Section 2.2*, the TAMT final program EIR TIA volumes consist of that study's 2014 "Existing" volumes, plus the list of 14 cumulative projects. As many of those have been built, they are now in the Year 2019 supplemental existing counts. However, some cumulative from that study remain unbuilt, so the "Near-Term Year 2021 Base" volumes are considered analogous to, but not a direct comparison to the Year 2019 supplemental + cumulative volumes.

Figure 9–1a shows the "Near-Term 2021 Base Condition" traffic volumes from the TAMT final program EIR TIA. ***Figure 9–1b*** shows the Existing 2019 supplemental + cumulative projects traffic volumes.

9.2 Intersections

Table 9–1 shows that the Year 2019 supplemental + cumulative projects data results in intersection LOS that is generally equal to or better than the "Year 2021 Base" data from the TAMT final program EIR TIA.

Appendix F contains the supplemental Year 2019 supplemental + cumulative HCM calculation sheets.

9.3 Segments

Table 9–2 shows a general improvement in most daily segment operations as compared to the "Near-Term Year 2021 Base" condition volumes based on the lower Year 2019 baseline counts discussed in *Section 6.3*, and the smaller overall cumulative list of projects being assessed (see *Section 7.3*).

9.4 Freeway Segments

The TAMT final program EIR TIA did not evaluate freeway segments for the "Near-Term Year 2021 Base" condition. Therefore, no comparative analyses are made for these facilities.

9.5 Summary

The overall Year 2019 supplemental + cumulative projects data results show improved LOS for most locations as compared to the "Near-Term Year 2021 Base" condition volumes and analyses presented in the TAMT final program EIR TIA. Again, this is due to lower Year 2019 volumes and near-term cumulative projects summaries as compared to the analogous volumes from the TAMT final program EIR TIA.

There is an observable change in the overall near-term base street system operations between the TAMT final program EIR TIA and the 2019 supplemental data.

TABLE 9–1
INTERSECTION OPERATIONS COMPARISON – NEAR-TERM BASE (WITHOUT PROJECT)

Intersection	Control Type	Peak Hour	TAMT Final Program EIR (Year 2021 Base) [a]		Year 2019 Supplemental + Cumulative	
			Delay [a]	LOS [b]	Delay[a]	LOS[b]
1. Harbor Drive/ Cesar Chavez Parkway	Signal	AM	41.0	D	30.1	C
		PM	38.0	D	26.1	C
2. Harbor Drive/ Sampson Street	Signal	AM	43.8	D	40.7	D
		PM	44.9	D	36.9	D
3. Main Street/ 28th Street	Signal	AM	22.2	C	18.3	B
		PM	38.8	D	27.1	C
4. National Avenue/ 28th Street	Signal	AM	42.6	D	34.6	C
		PM	31.5	C	18.1	B
5. Harbor Drive/ 32nd Street	Signal	AM	29.3	C	20.0	B
		PM	43.3	D	36.1	D
6. Norman Scott Road/ 32nd Street/ Wabash Avenue	Signal	AM	**103.2**	**F**	**57.2**	**E**
		PM	**69.6**	**E**	**63.5**	**E**

Footnotes:
a. Source: *Tenth Avenue Marine Terminal Final Report* (Chen Ryan, 2016)/
b. Average delay expressed in seconds per vehicle.
c. Level of Service.

SIGNALIZED

DELAY/LOS THRESHOLDS

Delay	LOS
0.0 < 10.0	A
10.1 to 20.0	B
20.1 to 35.0	C
35.1 to 55.0	D
55.1 to 80.0	E
> 80.1	F

TABLE 9–2
STREET SEGMENT OPERATIONS COMPARISON – NEAR-TERM BASE (WITHOUT PROJECT)

Street Segment	Capacity (LOS E) [a]	TAMT Final Program EIR (Year 2021 Base) [b]		Year 2019 Supplemental + Cumulative	
		ADT [c]	LOS [d]	ADT	LOS
Harbor Drive					
1. Beardsley Street to Cesar Chavez Parkway	40,000	24,460	C	19,695	B
2. Cesar Chavez Parkway to Sampson Street	40,000	15,744	B	13,433	A
3. Sampson Street to Schley Street	40,000	17,292	B	15,413	B
4. Schley Street to 28th Street	40,000	16,868	B	14,830	A
5. 28th Street to Belt Street	40,000	22,496	C	21,281	C
6. Belt Street to 32nd Street	40,000	21,048	C	20,871	B
28th Street					
7. Harbor Drive to Main Street	40,000	17,184	B	13,289	A
8. Main Street to Boston Avenue	30,000	20,613	D	16,988	C
9. Boston Avenue to National Avenue	22,500	**23,076**	**F**	16,761	D
32nd Street					
10. Harbor Drive to Norman Scott Road	50,000	24,610	B	27,800	B

Footnotes:

a. Capacities based on City of San Diego Roadway Classification Table.
b. Source: *Tenth Avenue Marine Terminal Final Report* (Chen Ryan, 2016).
c. Average Daily Traffic Volumes.
d. Level of Service.
e. Volume to Capacity.

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Figure 9-1a

TAMT PEIR "Near-Term 2021 base Conditions" Traffic Volumes

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Figure 9-1b

Existing 2019 Supplemental + Cumulative Projects Traffic Volumes

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10.0 NEAR-TERM BASE (PLUS PROJECT) OPERATIONS COMPARISON

10.1 Overview

The Near-Term Base (Plus Project) condition evaluation is a comparison between the TAMT final program EIR TIA "Near-Term Year 2021 Base" condition and the Year 2019 Supplemental (Existing) counts plus cumulative projects plus the Proposed Project.

As discussed in *Section 2.2*, the TAMT final program EIR TIA volumes comprise that study's 2014 "Existing" volumes, plus the 14 cumulative projects plus the programmatic TAMT project. This "Near-Term Year 2021 Base Plus Project" condition is analogous to, but not a direct comparison to the Year 2019 Supplemental + Cumulative + Proposed Project condition.

Figure 10–1a shows the TAMT final program EIR TIA "Near-Term 2021 Base Plus Project" traffic volumes. ***Figure 10–1b*** shows the Existing 2019 Supplemental + Cumulative + Proposed Project traffic volumes.

10.2 Intersections

Table 10–1 shows that the Year 2019 Supplemental + Cumulative + Proposed Project data results in intersection LOS that is generally equal to or better than the "Year 2021 Base Plus Project" data from the TAMT final program EIR TIA.

Appendix G contains the supplemental Year 2019 Supplemental + Cumulative + Proposed Project HCM calculation sheets.

10.3 Segments

Table 10–2 shows a general improvement in most daily segment operations as compared to the "Near-Term Year 2021 Base Plus Project" condition volumes as the supplemental Year 2019 baseline counts are lower (discussed in *Section 6.3)*, and the list of cumulative projects being assessed is smaller (see *Section 7.3*).

For this reason, the failing street segment (No. 9) of 28th Street from Boston Avenue to National Avenue shows an acceptable LOS D in the supplemental analysis when compared to the TAMT final program EIR TIA results.

By contrast, the adjacent segment of 28th Street from Main Street to Boston Avenue shows a degradation in the supplemental analysis to LOS E. This is one of two street segments in the study area where the supplemental volumes increased over the TAMT final program EIR volumes. The addition of 568 Proposed Project trips exceeds the LOS D/E threshold of 25,000 ADT by 210 trips.

10.4 Freeway Segments

The TAMT final program EIR TIA did not evaluate freeway segments for the "Near-Term Year 2021 Base Plus Project" condition. Therefore, no comparative analyses are made for these facilities.

10.5 Summary

The Year 2019 Supplemental + Cumulative + Proposed Project data results generally show improved LOS for most locations as compared to the "Near-Term Year 2021 Base Plus Project" condition volumes and analyses presented in the TAMT final program EIR TIA.

On 28th Street, the supplemental data shows an improvement from LOS F to LOS D by comparison to the analogous TAMT final program EIR results. On the adjacent segment, the higher supplemental data results in an unacceptable LOS when compared to the TAMT final program EIR results.

There is an observable change in the overall near-term base street system operations between the TAMT final program EIR TIA and the 2019 supplemental data.

TABLE 10–1
INTERSECTION OPERATIONS COMPARISON – NEAR-TERM (PLUS PROJECT)

Intersection	Control Type	Peak Hour	TAMT Final Program EIR (Year 2021 Plus Project) [a]		Year 2019 Supplemental + Cumulative + Proposed Project	
			Delay [b]	LOS [c]	Delay	LOS
1. Harbor Drive/ Cesar Chavez Parkway	Signal	AM	41.0	D	30.8	C
		PM	39.7	D	26.9	C
2. Harbor Drive/ Sampson Street	Signal	AM	44.0	D	42.4	D
		PM	45.5	D	38.3	D
3. Main Street/ 28th Street	Signal	AM	22.2	C	18.3	B
		PM	39.3	D	27.2	C
4. National Avenue/ 28th Street	Signal	AM	42.6	D	34.7	C
		PM	31.5	C	18.2	B
5. Harbor Drive/ 32nd Street	Signal	AM	29.7	C	20.6	C
		PM	43.5	D	37.0	D
6. Norman Scott Road/ 32nd Street/ Wabash Avenue	Signal	AM	**103.6**	**F**	**57.2**	**E**
		PM	**69.6**	**E**	**63.5**	**E**

Footnotes:

a. Source: *Tenth Avenue Marine Terminal Final Report* (Chen Ryan, 2016).
b. Average delay expressed in seconds per vehicle.
c. Level of Service.

SIGNALIZED

DELAY/LOS THRESHOLDS

Delay	LOS
0.0 < 10.0	A
10.1 to 20.0	B
20.1 to 35.0	C
35.1 to 55.0	D
55.1 to 80.0	E
> 80.1	F

TABLE 10–2
STREET SEGMENT OPERATIONS COMPARISON – NEAR-TERM (PLUS PROJECT)

Street Segment	Capacity (LOS E) [a]	TAMT Final Program EIR (Year 2021 Plus Project) [b]		Year 2019 Supplemental + Cumulative + Proposed Project	
		ADT [c]	LOS [d]	ADT	LOS
Harbor Drive					
1. Beardsley Street to Cesar Chavez Parkway	40,000	24,541	C	20,130	B
2. Cesar Chavez Parkway to Sampson Street	40,000	15,923	B	14,561	A
3. Sampson Street to Schley Street	40,000	17,471	B	16,541	B
4. Schley Street to 28th Street	40,000	17,047	B	15,958	B
5. 28th Street to Belt Street	40,000	22,595	C	21,822	C
6. Belt Street to 32nd Street	40,000	21,147	C	21,412	C
28th Street					
7. Harbor Drive to Main Street	40,000	17,264	B	13,878	A
8. Main Street to Boston Avenue	30,000	20,650	D	17,556	C
9. Boston Avenue to National Avenue	22,500	**23,104**	**F**	17,114	D
32nd Street					
10. Harbor Drive to Norman Scott Road	50,000	24,709	B	28,341	C

Footnotes:

a. Capacities based on City of San Diego Roadway Classification Table.
b. Source: *Tenth Avenue Marine Terminal Final Report* (Chen Ryan, 2016).
c. Average Daily Traffic Volumes.
d. Level of Service.

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Figure 10-1a

TAMT PEIR "Near-Term 2021 Base Plus Project" Traffic Volumes

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Figure 10-1b

Existing 2019 Supplemental + Cumulative + Project Traffic Volumes

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11.0 YEAR 2035 (BUILDOUT) ROADWAY NETWORK & TRAFFIC VOLUMES

11.1 Overview

The TAMT final program EIR TIA discloses that for all near-term and long-term conditions, no changes or improvements to the existing roadway network were assumed.

LLG reviewed the existing conditions inputs used in that study and compared them to the existing 2019 conditions observed in the field. No changes in conditions were observed.

These existing conditions from the TAMT final program EIR TIA are shown on a diagram in *Appendix B*.

11.2 TAMT Final Program EIR TIA "Future Year 2035 Base Conditions" Traffic Volumes

The future conditions traffic volumes (intersections/segments/freeway segments) used in the TAMT final program EIR TIA were developed from the SANDAG Series 12 Regional Traffic Model for buildout year 2035.

Figure 11–1a shows the TAMT final program EIR TIA "Future Year 2035 Base Conditions" traffic volumes.

11.3 Summary

As the Mitsubishi Warehouse C Proposed Project would not operate past Year 2035, there are no changes in volumes as the SANDAG Series 12 Regional Traffic Model has not been modified since it was used for the TAMT final program EIR.

There is no observable change in the Year 2035 (Buildout) street system or volumes between the TAMT final program EIR TIA and the 2019 supplemental data.

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Figure 11-1a

TAMT PEIR "Future Year 2035 Base Conditions" Traffic Volumes

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12.0 YEAR 2035 BUILDOUT BASE (WITHOUT PROJECT) OPERATIONS COMPARISON

12.1 Overview

The Year 2035 Buildout Base (Without Project) condition evaluation focuses on the effects of the freeway methodology changes described in *Section 5.0.* The current HCM methodology includes additional freeway segment geometric inputs, as well as a "density" output, both of which are different from the TAMT final program EIR TIA methodology. The same volumes are used in both analysis as the 2035 SANDAG regional traffic model is unchanged.

12.2 Freeway Segments

Table 12–3 shows the comparative freeway mainline peak hour analysis comparison. This table shows that the supplemental review yields comparable results (LOS E/F) for most locations identified as operating poorly in the TAMT final program EIR TIA.

However, in two (2) instances, the analysis conducted for using the 2019 supplemental HCM methodology indicates a degradation in LOS from acceptable LOS D or better to unacceptable LOS E/F.

12.3 Summary

The overall supplemental methodology results show comparable LOS for most freeway segment locations as compared to the analyses presented in the TAMT final program EIR TIA.

However, there is a reduction in forecasted LOS for two (2) freeway segments in the supplemental analysis when compared to the TAMT final program EIR analysis.

There is an observable change in the Year 2035 Buildout Base (Without Project) freeway segment results between the TAMT final program EIR TIA and the 2019 supplemental data methodologies.

TABLE 12–1
FREEWAY SEGMENT OPERATIONS COMPARISON – BUILDOUT BASE (WITHOUT PROJECT)

Freeway Segment	Dir	No. of Lanes	TAMT Final Program EIR (Year 2035 Base) [a]				
			TAMT Final Program EIR V/C Analysis		Supplemental HCM Density Analysis		
			V/C [b]	LOS [c]	V/C	Density [d]	LOS
Interstate 5							
1. State Route 94 to Imperial Avenue	NB	4M+1A	**1.07**	**F**	**1.087**	—	**F**
	SB	4M+1A	**0.94**	**E**	**0.956**	**40.7**	**E**
2. Imperial Avenue to State Route 75	NB	4M+1A	**0.96**	**E**	**0.975**	**42.5**	**E**
	SB	4M+1A	0.90	D	**0.909**	**36.9**	**E**
3. State Route 75 to 28th Street	NB	4M+2A	**0.97**	**E**	**0.931**	**38.6**	**E**
	SB	4M+1A	0.88	D	**0.891**	**35.6**	**E**
4. 28th Street to State Route 15	NB	4M	**1.17**	**F**	**1.289**	—	**F**
	SB	4M	**0.94**	**E**	**1.031**	—	**F**
5. State Route 15 to Main Street	NB	4M+2A	**1.12**	**F**	**1.070**	—	**F**
	SB	5M	**1.12**	**F**	**1.237**	—	**F**
State Route 15							
6. State Route 94 to Market Street	NB	3M+1A	0.72	C	0.710	25.3	C
	SB	3M+1A	0.80	D	0.789	29.1	D
7. Market Street to Ocean View Boulevard	NB	3M	**0.95**	**E**	**1.035**	—	**F**
	SB	3M	**1.02**	**F**	**1.112**	—	**F**
8. Ocean View Boulevard to Interstate 5	NB	3M+1A	0.65	C	0.639	22.2	C
	SB	4M+1A	0.51	B	0.510	17.4	B
9. Interstate 5 to Norman Scott Road	NB	2M	0.30	A	0.326	11.3	B
	SB	2M	0.28	A	0.303	10.5	A

Footnotes:
a. Source: *Tenth Avenue Marine Terminal Final Report* (Chen Ryan, 2016).
b. V/C = Volume to Capacity ratio.
c. Level of Service.
d. Density is measured as passenger cars per mile per lane (pc/mi/ln).

LOS	Density Range (pc/mi/ln)
A	0 – 11
B	> 11 – 18
C	> 18 – 26
D	> 26 – 35
E	> 35 – 45
F	> 45

General Notes:
1. "–" Density is not calculated for LOS F.

13.0 YEAR 2035 BUILDOUT (PLUS PROJECT) OPERATIONS COMPARISON

13.1 Overview

The Year 2035 Buildout (Plus Project) condition evaluation focuses on the effects of the freeway methodology changes described in *Section 5.0.* The current HCM methodology includes additional freeway segment geometric inputs, as well as a "density" output, both of which are different from the TAMT final program EIR TIA methodology. The same volumes are used in both analysis as the 2035 SANDAG regional traffic model is unchanged.

Figure 13–1a shows the TAMT final program EIR TIA "Future Year 2035 Base + Project" conditions traffic volumes.

13.2 Freeway Segments

Table 13–1 shows the comparative freeway mainline peak hour analysis comparison. This table shows that the supplemental review yields comparable results (LOS E/F) for most locations identified as operating poorly the TAMT final program EIR TIA.

However, in two (2) instances, the analysis conducted for using the 2019 supplemental HCM methodology indicates a degradation in LOS from acceptable LOS D or better to unacceptable LOS E/F.

13.3 Summary

The overall supplemental methodology results show comparable LOS for most freeway segment locations as compared to the analyses presented in the TAMT final program EIR TIA.

However, there is a reduction in forecasted LOS for two (2) freeway segments in the supplemental analysis when compared to the TAMT final program EIR analysis.

There is an observable change in the Year 2035 Buildout (Plus Project) freeway segment results between the TAMT final program EIR TIA and the 2019 supplemental data methodologies.

TABLE 13–1
FREEWAY SEGMENT OPERATIONS COMPARISON – BUILDOUT (PLUS PROJECT)

Freeway Segment	Dir	No. of Lanes	TAMT Final Program EIR (Year 2035 Base Plus Project)				
			TAMT Final Program EIR V/C Analysis		Supplemental Density Analysis		
			V/C	LOS [a]	V/C	Density	LOS
Interstate 5							
1. State Route 94 to Imperial Avenue	NB	4M+1A	**1.080**	**F**	**1.096**	**—**	**F**
	SB	4M+1A	**0.940**	**E**	**0.956**	**40.7**	**E**
2. Imperial Avenue to State Route 75	NB	4M+1A	**0.970**	**E**	**0.984**	**43.4**	**E**
	SB	4M+1A	0.900	D	**0.909**	**36.9**	**E**
3. State Route 75 to 28th Street	NB	4M+2A	**0.970**	**E**	**0.931**	**38.6**	**E**
	SB	4M+1A	0.880	D	**0.891**	**35.6**	**E**
4. 28th Street to State Route 15	NB	4M	**1.180**	**F**	**1.300**	**—**	**F**
	SB	4M	**0.940**	**E**	**1.031**	**—**	**F**
5. State Route 15 to Main Street	NB	4M+2A	**1.130**	**F**	**1.078**	**—**	**F**
	SB	5M	**1.120**	**F**	**1.237**	**—**	**F**
State Route 15							
6. State Route 94 to Market Street	NB	3M+1A	0.730	C	0.722	25.8	C
	SB	3M+1A	0.820	D	0.801	29.7	D
7. Market Street to Ocean View Boulevard	NB	3M	**0.960**	**E**	**1.050**	**—**	**F**
	SB	3M	**1.040**	**F**	**1.128**	**—**	**F**
8. Ocean View Boulevard to Interstate 5	NB	3M+1A	0.660	C	0.651	22.7	C
	SB	4M+1A	0.520	B	0.519	17.7	B
9. Interstate 5 to Norman Scott Road	NB	2M	0.300	A	0.326	11.3	B
	SB	2M	0.300	A	0.326	11.3	B

Footnotes:
a. Source: *Tenth Avenue Marine Terminal Final Report (Chen Ryan, 2016).*
b. V/C = Volume to Capacity ratio.
c. Level of Service.
d. Density is measured as passenger cars per mile per lane (pc/mi/ln).

LOS	Density Range (pc/mi/ln)
A	0 – 11
B	> 11 – 18
C	> 18 – 26
D	> 26 – 35
E	> 35 – 45
F	> 45

General Notes:
1. "–" Density is not calculated for LOS F.

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Figure 13-1a

TAMT PEIR "Future Year 2035 Base Plus Project Conditions" Traffic Volumes

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14.0 CONSTRUCTION OPERATIONS COMPARISON

The following is an analysis of the construction-related traffic for the Proposed Project based on preliminary assumptions available at the time of this study. The construction impacts are measured against the supplemental existing and near-term (existing + cumulative) conditions.

14.1 Proposed Project Construction Trip Generation

The Proposed Project's construction trip generation is based on assumptions provided by the applicant.

Construction traffic will be composed primarily of two types of trips: worker trips (in during the AM and out during the PM), and truck trips, which will occur throughout the day. In total, a maximum of 50 workers would be expected during the most intensive phase of construction, and 21 trucks would be expected over the course of a typical work day.

Proposed Project construction activities will commence prior to the morning commuter peak hours of 7-9 AM, and conclude prior to the afternoon commuter peak hours of 4-6 PM. A limited number of truck deliveries (3-5 trucks anticipated) would occur during the AM peak hour.

To be conservative, a modest amount of miscellaneous vehicle trips was added and applied wholly to the peak hours to account for miscellaneous trips (late worker arrivals/departures, inspectors, etc.).

Table 14–1 shows a summary of Proposed Project's construction trip generation, based on this information.

TABLE 14–1
PROPOSED PROJECT CONSTRUCTION TRIP GENERATION

Type	Qty	Daily Volumes			AM Peak Hour					PM Peak Hour				
		Rate [a]	PCE [b]	ADT [c]	%	Split	In	Out	Total	%	Split	In	Out	Total
Trucks	21	2/truck	3	126	24%	5:5	15	15	30	0%	–	0	0	0
Workers	50	3/emp	1	150	0%	–	0	0	0	0%	–	0	0	0
Misc	4	2/trip	1	8	50%	5:5	2	2	4	50%	5:5	2	2	4
Total	**–**	**–**	**–**	***284***	**–**	**–**	***17***	***17***	***34***	**–**	**–**	***2***	***2***	***4***

Footnotes:

a. Rate is based information provided by the applicant.

b. PCE – Passenger Car Equivalence factor. 3.0 for trucks is based on the *Tenth Avenue Marine Terminal Redevelopment Plan Final Report* (Chen Ryan – 2016).

c. ADT = Average Daily Traffic.

Figure 14–1 shows the combined total construction traffic. ***Figure 14–2*** shows the Year 2019 Existing + Project Construction traffic volumes. ***Figure 14–3*** shows the Year 2019 Existing + Cumulative + Project Construction traffic volumes.

14.2 Existing + Project Construction Analysis

14.2.1 *Peak Hour Intersection Analysis*

Table 14–2 shows the Existing and Existing + Project Construction peak hour intersection operations. As shown in *Table 14–2*, with the addition of Project construction traffic volumes, the study area intersections continue to operate at LOS D or better, with the exception of the Norman Scott Road/32nd Street/Wabash Avenue intersection, which continued to operate at LOS E. The Proposed Project's contribution in delay is 0.0 seconds, so no direct project impacts are calculated based on the City of San Diego's significance criteria, contained in ***Appendix J***.

14.2.2 *Daily Street Segment Analysis*

Table 14–3 shows the Existing and Existing + Project Construction daily street segment operations. As shown in *Table 14–3*, with the addition of Project Construction traffic, the study area street segments continue to operate at LOS D or better. No direct project impacts are calculated.

14.3 Near-Term with Project Construction Analysis

14.3.1 *Peak Hour Intersection Analysis*

Table 14–4 shows the Existing + Cumulative and Existing + Cumulative + Project Construction peak hour intersection operations. As shown in *Table 14–4*, with the addition of cumulative and Project construction traffic, the study area intersections continue to operate at LOS D or better, with the exception of the Norman Scott Road/32nd Street/Wabash Avenue intersection, which continued to operate at LOS E. The Proposed Project's contribution in delay is 0.0 seconds, so no direct project impacts are calculated based on the City of San Diego's significance criteria, contained in *Appendix J*.

14.3.2 *Daily Street Segment Analysis*

Table 14–5 shows the Existing + Cumulative and Existing + Cumulative + Project Construction daily street segment operations. As shown in *Table 14–5*, with the addition of cumulative and Project construction traffic, the study area street segments continue to operate at LOS D or better.

TABLE 14–2
INTERSECTION OPERATIONS – EXISTING WITH PROJECT CONSTRUCTION

Intersection	Control Type	Peak Hour	Existing		Existing + Project Construction		
			Delay [a]	LOS [b]	Delay	LOS	Δ [c]
1. Harbor Drive/ Cesar Chavez Parkway	Signal	AM	22.8	C	23.1	C	0.3
		PM	23.0	C	23.1	C	0.1
2. Harbor Drive/ Sampson Street	Signal	AM	37.5	D	38.1	D	0.6
		PM	34.1	C	34.2	C	0.1
3. Main Street/ 28th Street	Signal	AM	18.1	B	18.1	B	0.0
		PM	26.8	C	26.8	C	0.0
4. National Avenue/ 28th Street	Signal	AM	33.1	C	33.1	C	0.0
		PM	17.8	B	17.8	B	0.0
5. Harbor Drive/ 32nd Street	Signal	AM	19.7	B	19.9	B	0.2
		PM	35.5	D	35.5	D	0.0
6. Norman Scott Road/ 32nd Street/ Wabash Avenue	Signal	AM	**57.3**	**E**	**57.3**	**E**	**0.0**
		PM	**63.2**	**E**	**63.2**	**E**	**0.0**

Footnotes:

a. Average delay expressed in seconds per vehicle.
b. Level of Service.
c. Change in delay due to Project construction traffic.

SIGNALIZED

DELAY/LOS THRESHOLDS

Delay	LOS
0.0 < 10.0	A
10.1 to 20.0	B
20.1 to 35.0	C
35.1 to 55.0	D
55.1 to 80.0	E
> 80.1	F

TABLE 14–3
STREET SEGMENT OPERATIONS– EXISTING WITH PROJECT CONSTRUCTION

Street Segment	Capacity (LOS E) [a]	Existing			Existing + Project Construction			
		ADT [b]	LOS [c]	V/C	ADT	LOS	V/C	Δ [d]
Harbor Drive								
1. Beardsley Street to Cesar Chavez Parkway	40,000	16,800	B	0.420	16,884	B	0.422	0.002
2. Cesar Chavez Parkway to Sampson Street	40,000	11,920	A	0.298	12,125	A	0.303	0.005
3. Sampson Street to Schley Street	40,000	13,900	A	0.348	14,105	A	0.353	0.005
4. Schley Street to 28th Street	40,000	13,440	A	0.336	13,645	A	0.341	0.005
5. 28th Street to Belt Street	40,000	20,360	B	0.509	20,468	B	0.512	0.003
6. Belt Street to 32nd Street	40,000	19,950	B	0.499	20,058	B	0.501	0.002
28th Street								
7. Harbor Drive to Main Street	40,000	12,820	A	0.321	12,919	A	0.323	0.002
8. Main Street to Boston Avenue	30,000	16,400	C	0.547	16,475	C	0.549	0.002
9. Boston Avenue to National Avenue	22,500	16,170	D	0.719	16,216	D	0.721	0.002
32nd Street								
10. Harbor Drive to Norman Scott Road	50,000	27,340	B	0.547	27,448	B	0.549	0.002

Footnotes:

a. Capacities based on City of San Diego Roadway Classification Table.
b. Average Daily Traffic Volumes.
c. Level of Service.
d. Change in V/C ratio due to Project construction traffic.

TABLE 14–4
INTERSECTION OPERATIONS – NEAR-TERM WITH CONSTRUCTION

Intersection	Control Type	Peak Hour	Existing + Cumulative		Existing + Cumulative + Project Construction		
			Delay [a]	LOS [b]	Delay	LOS	Δ [c]
1. Harbor Drive/ Cesar Chavez Parkway	Signal	AM	30.1	C	30.6	C	0.5
		PM	26.1	C	26.2	C	0.1
2. Harbor Drive/ Sampson Street	Signal	AM	40.7	D	41.6	D	0.9
		PM	36.9	D	36.9	D	0.0
3. Main Street/ 28th Street	Signal	AM	18.3	B	18.3	B	0.0
		PM	27.1	C	27.1	C	0.0
4. National Avenue/ 28th Street	Signal	AM	34.6	C	34.7	C	0.1
		PM	18.1	B	18.1	B	0.0
5. Harbor Drive/ 32nd Street	Signal	AM	20.0	B	20.2	C	0.2
		PM	36.1	D	36.2	D	0.1
6. Norman Scott Road/ 32nd Street/ Wabash Avenue	Signal	AM	**57.2**	**E**	**57.2**	**E**	**0.0**
		PM	**66.5**	**E**	**66.5**	**E**	**0.0**

Footnotes:

a. Average delay expressed in seconds per vehicle.
b. Level of Service.
c. Change in delay due to Project construction traffic.

SIGNALIZED

DELAY/LOS THRESHOLDS

Delay	LOS
0.0 < 10.0	A
10.1 to 20.0	B
20.1 to 35.0	C
35.1 to 55.0	D
55.1 to 80.0	E
> 80.1	F

TABLE 14–5
STREET SEGMENT OPERATIONS– NEAR-TERM WITH PROJECT CONSTRUCTION

Street Segment	Capacity (LOS E) [a]	Existing + Cumulative			Existing + Cumulative + Project Construction			
		ADT [b]	LOS [c]	V/C	ADT	LOS	V/C	Δ [d]
Harbor Drive								
1. Beardsley Street to Cesar Chavez Parkway	40,000	19,695	B	0.492	19,779	B	0.494	0.002
2. Cesar Chavez Parkway to Sampson Street	40,000	13,433	A	0.336	13,638	A	0.341	0.005
3. Sampson Street to Schley Street	40,000	15,413	B	0.385	15,618	B	0.390	0.005
4. Schley Street to 28th Street	40,000	14,830	A	0.371	15,035	B	0.376	0.005
5. 28th Street to Belt Street	40,000	21,281	C	0.532	21,389	C	0.535	0.003
6. Belt Street to 32nd Street	40,000	20,871	B	0.522	20,979	B	0.524	0.002
28th Street								
7. Harbor Drive to Main Street	40,000	13,289	A	0.332	13,388	A	0.335	0.003
8. Main Street to Boston Avenue	30,000	16,992	C	0.566	17,067	C	0.569	0.003
9. Boston Avenue to National Avenue	22,500	16,761	D	0.745	16,807	D	0.747	0.002
32nd Street								
10. Harbor Drive to Norman Scott Road	50,000	27,800	B	0.556	27,908	B	0.558	0.002

Footnotes:
a. Capacities based on City of San Diego Roadway Classification Table.
b. Average Daily Traffic Volumes.
c. Level of Service.
d. Change in V/C ratio due to Project construction traffic.

LINSCOTT LAW & GREENSPAN engineers

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Date: 10/15/19

Figure 14-1

Project Construction Traffic Volumes

MITSUBISHI WAREHOUSE C SUPPLEMENTAL

LINSCOTT LAW & GREENSPAN engineers

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Figure 14-2

Existing 2019 Supplemental + Project Construction Traffic Volumes

MITSUBISHI WAREHOUSE C SUPPLEMENTAL

LINSCOTT LAW & GREENSPAN engineers

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Date: 10/15/19

Figure 14-3

Existing 2019 Supplemental + Cumulative + Project Construction Traffic Volumes

End of Report

LINSCOTT LAW & GREENSPAN
engineers

TECHNICAL APPENDICES

MITSUBISHI WAREHOUSE C (SUPPLEMENTAL)

City of San Diego, California
October 14, 2019

LLG Ref. 3-19-3160

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APPENDIX A

TRUCK AND EMPLOYEE DISTRIBUTION/ASSIGNMENT

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Figure 7-1

Truck Traffic Distribution

MITSUBISHI WAREHOUSE C

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N:\2621\Figures
Date: 02/08/18

Figure 7-2

Employee Traffic Distribution

MITSUBISHI WAREHOUSE C

LINSCOTT LAW & GREENSPAN engineers

N:\2621\Figures
Date: 02/12/18

Figure 7-3

Truck Project Traffic Volumes

MITSUBISHI WAREHOUSE C

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Date: 02/08/18

Figure 7-4

Employee Project Traffic Volumes

MITSUBISHI WAREHOUSE C

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N:\2621\Figures
Date: 02/08/18

Figure 7-5

Total Project Traffic Volumes

MITSUBISHI WAREHOUSE C

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APPENDIX B

EXISTING CONDITIONS DIAGRAM – TAMT FINAL PROGRAM EIR TIA

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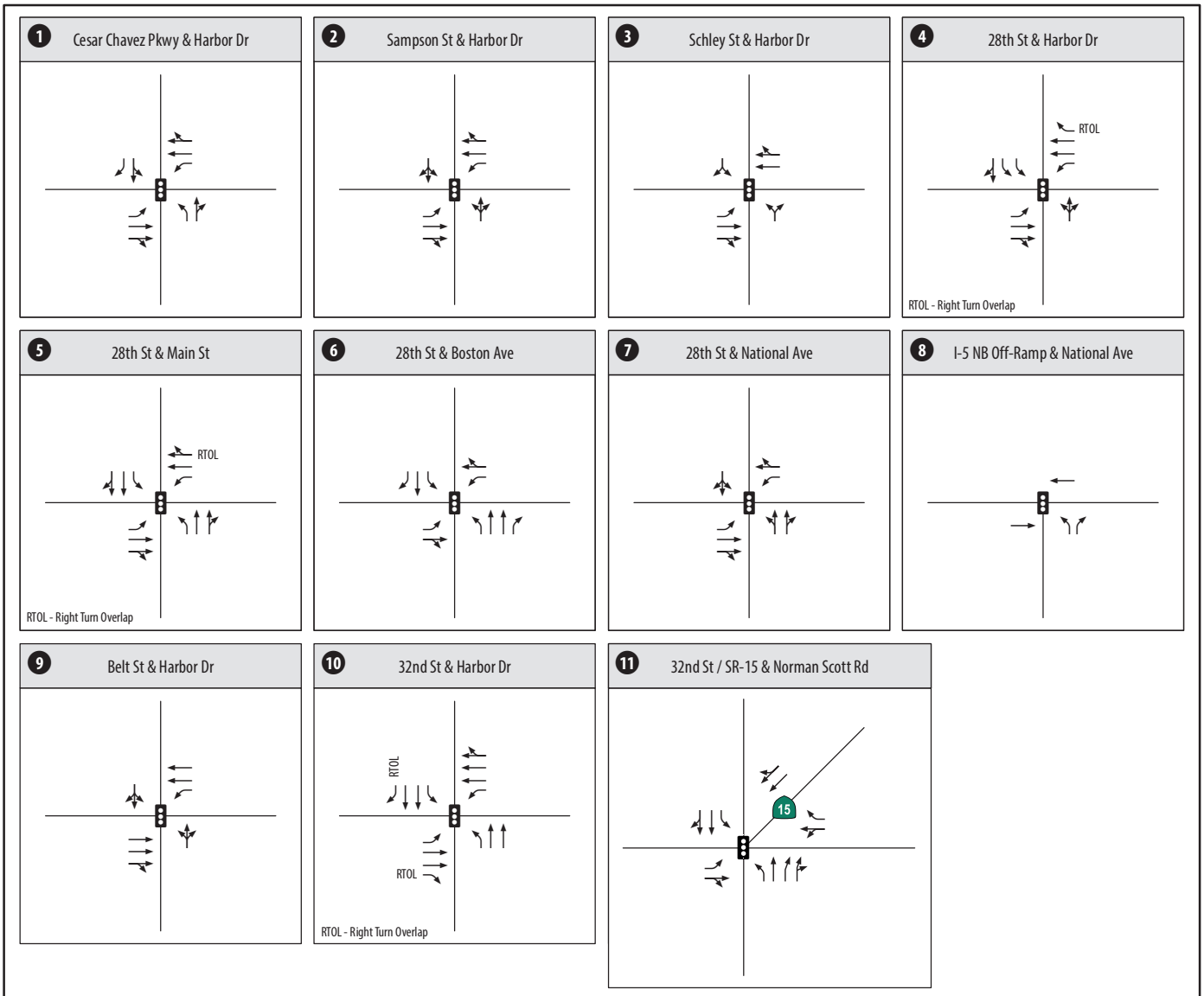
Tenth Avenue Marine Terminal Redevelopment Plan

CHEN RYAN

Figure 4-1A

Roadway Geometrics - Existing Conditions



Tenth Avenue Marine Terminal Redevelopment Plan

CHEN RYAN

Figure 4-1B

Intersection Geometrics - Existing Conditions

APPENDIX C

SUPPLEMENTAL INTERSECTION AND STREET SEGMENT COUNTS

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Intersection Turning Movement - Peak Hour Vehicle Count

LINSCOTT LAW & GREENSPAN engineers

Location:	#01	File Name:	ITM-19-114-01
Intersection:	Cesar Chavez Parkway & Harbor Drive	Project:	LLG Ref. 3-19-3160
Date of Count:	Wednesday, October 2, 2019		San Diego Port

AM	Cesar Chavez Parkway Southbound			Harbor Drive Westbound			Cesar Chavez Parkway Northbound			Harbor Drive Eastbound			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Total
7:00	4	27	58	17	181	18	1	15	3	26	38	8	396
7:15	8	24	63	10	195	10	4	9	1	12	34	2	372
7:30	10	22	84	27	234	22	0	21	6	43	26	9	504
7:45	10	25	67	20	202	26	0	22	3	33	33	10	451
8:00	7	16	83	19	221	19	0	13	3	33	33	4	451
8:15	7	21	62	13	186	22	2	12	2	37	23	2	389
8:30	5	16	53	15	160	27	1	14	5	17	28	4	345
8:45	9	23	42	15	128	16	2	16	4	23	30	6	314
Total	60	174	512	136	1507	160	10	122	27	224	245	45	3222
Approach%	8.0	23.3	68.6	7.5	83.6	8.9	6.3	76.7	17.0	43.6	47.7	8.8	
Total%	1.9	5.4	15.9	4.2	46.8	5.0	0.3	3.8	0.8	7.0	7.6	1.4	

AM Intersection Peak Hour: **07:30 to 08:30**

Volume	34	84	296	79	843	89	2	68	14	146	115	25	1,795
Approach%	8.2	20.3	71.5	7.8	83.4	8.8	2.4	81.0	16.7	51.0	40.2	8.7	
Total%	1.9	4.7	16.5	4.4	47.0	5.0	0.1	3.8	0.8	8.1	6.4	1.4	
PHF			0.89			0.89			0.78			0.92	0.89

PM	Cesar Chavez Parkway Southbound			Harbor Drive Westbound			Cesar Chavez Parkway Northbound			Harbor Drive Eastbound			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Total
16:00	7	13	47	4	30	15	4	35	4	78	152	5	394
16:15	9	24	56	1	26	7	3	35	7	86	216	9	479
16:30	6	20	32	8	38	13	2	63	12	97	248	3	542
16:45	12	22	48	3	38	3	5	48	17	94	243	3	536
17:00	5	19	31	7	28	11	4	39	8	95	190	3	440
17:15	13	13	33	5	26	3	1	18	7	89	272	1	481
17:30	5	23	32	2	26	1	1	16	5	78	182	4	375
17:45	5	19	48	2	18	7	3	29	5	64	118	2	320
Total	62	153	327	32	230	60	23	283	65	681	1621	30	3567
Approach%	11.4	28.2	60.3	9.9	71.4	18.6	6.2	76.3	17.5	29.2	69.5	1.3	
Total%	1.7	4.3	9.2	0.9	6.4	1.7	0.6	7.9	1.8	19.1	45.4	0.8	

PM Intersection Peak Hour: **16:30 to 17:30**

Volume	36	74	144	23	130	30	12	168	44	375	953	10	1,999
Approach%	14.2	29.1	56.7	12.6	71.0	16.4	5.4	75.0	19.6	28.0	71.2	0.7	
Total%	1.8	3.7	7.2	1.2	6.5	1.5	0.6	8.4	2.2	18.8	47.7	0.5	
PHF			0.77			0.78			0.73			0.92	0.92

Intersection Turning Movement - Bicycle & Pedestrian Count

LINSCOTT LAW & GREENSPAN engineers

Location:	#01	File Name:	ITM-19-114-01
Intersection:	Cesar Chavez Parkway & Harbor Drive	Project:	LLG Ref. 3-19-3160
Date of Count:	Wednesday, October 2, 2019		San Diego Port

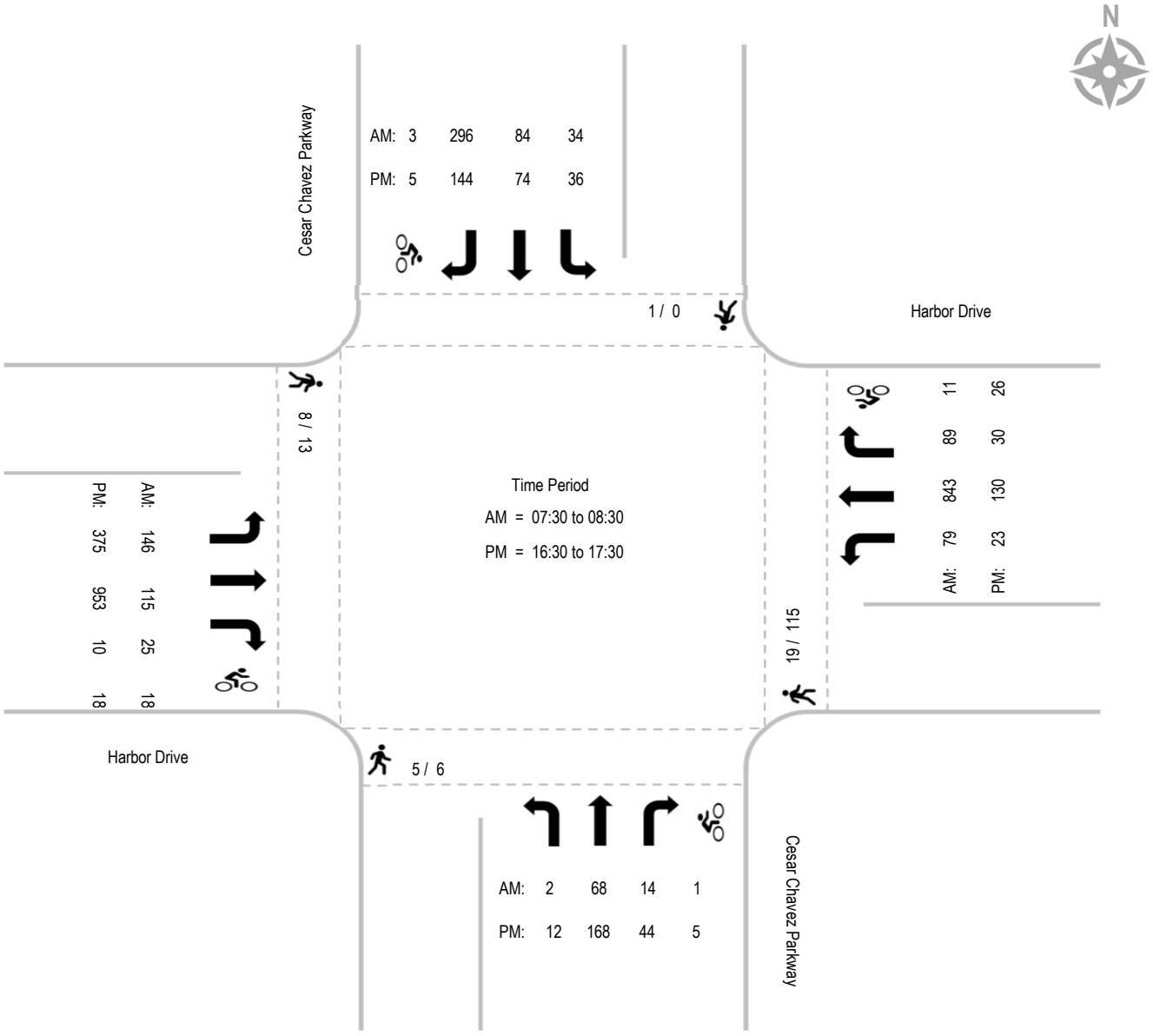
AM	Cesar Chavez Parkway Southbound				Harbor Drive Westbound				Cesar Chavez Parkway Northbound				Harbor Drive Eastbound				Totals	
	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	Bicycle
7:00	0	0	0	0	5	0	0	0	0	0	0	1	3	0	1	1	8	3
7:15	0	0	0	1	2	0	0	0	1	0	0	0	1	0	2	0	4	3
7:30	0	0	0	0	2	0	4	0	1	0	0	0	0	0	4	0	3	8
7:45	0	0	1	0	2	0	1	0	0	0	0	0	1	0	2	0	3	4
8:00	0	0	0	0	2	0	1	0	0	0	0	0	1	0	1	0	3	2
8:15	0	0	0	0	5	0	2	0	0	0	0	0	1	0	4	1	6	7
8:30	1	0	0	0	1	0	1	0	2	0	0	0	1	0	2	0	5	3
8:45	0	0	1	0	0	0	2	0	1	0	0	0	0	0	0	0	1	3
Ped Total	1				19				5				8				33	
Bike Total		0	2	1		0	11	0		0	0	1		0	16	2		33

PM	Cesar Chavez Parkway Southbound				Harbor Drive Westbound				Cesar Chavez Parkway Northbound				Harbor Drive Eastbound				Totals	
	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	Bicycle
16:00	0	0	1	1	0	0	1	0	0	0	0	0	0	0	1	0	0	4
16:15	0	0	1	0	18	0	3	0	1	0	0	0	2	0	2	0	21	6
16:30	0	0	0	0	67	0	3	0	2	0	3	0	5	1	1	0	74	8
16:45	0	0	1	0	7	0	4	0	0	0	0	0	0	0	2	1	7	8
17:00	0	0	0	0	8	0	0	1	1	0	1	0	3	0	1	1	12	4
17:15	0	0	0	0	5	0	1	0	1	0	0	0	0	1	3	0	6	5
17:30	0	0	0	0	1	0	7	0	1	0	1	0	1	0	2	0	3	10
17:45	0	0	0	1	9	0	6	0	0	0	0	0	2	0	2	0	11	9
Ped Total	0				115				6				13				134	
Bike Total		0	3	2		0	25	1		0	5	0		2	14	2		54

Intersection Turning Movement - Peak Hour Summary

LINSCOTT LAW & GREENSPAN engineers

Location:	#01	File Name:	ITM-19-114-01
Intersection:	Cesar Chavez Parkway & Harbor Drive	Project:	LLG Ref. 3-19-3160
Date of Count:	Wednesday, October 2, 2019		San Diego Port



Intersection Turning Movement - Peak Hour Vehicle Count

LINSCOTT LAW & GREENSPAN engineers

Location:	#02	File Name:	ITM-19-114-02
Intersection:	Sampson Street & Harbor Drive	Project:	LLG Ref. 3-19-3160
Date of Count:	Wednesday, October 2, 2019		San Diego Port

AM	Sampson Street Southbound			Harbor Drive Westbound			Sampson Street Northbound			Harbor Drive Eastbound			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Total
7:00	2	21	17	20	188	10	6	13	20	1	33	4	335
7:15	2	16	11	11	205	4	2	9	8	4	35	3	310
7:30	0	11	27	11	248	4	3	8	13	3	24	0	352
7:45	2	15	12	17	252	10	1	10	11	6	32	3	371
8:00	2	18	14	16	208	6	3	10	6	4	27	6	320
8:15	5	7	16	28	211	6	7	8	20	0	27	6	341
8:30	2	12	13	17	190	8	1	10	20	4	25	3	305
8:45	4	12	11	22	150	9	1	8	11	5	27	8	268
Total	19	112	121	142	1652	57	24	76	109	27	230	33	2602
Approach%	7.5	44.4	48.0	7.7	89.2	3.1	11.5	36.4	52.2	9.3	79.3	11.4	
Total%	0.7	4.3	4.7	5.5	63.5	2.2	0.9	2.9	4.2	1.0	8.8	1.3	

AM Intersection Peak Hour: **07:30 to 08:30**

Volume	9	51	69	72	919	26	14	36	50	13	110	15	1,384
Approach%	7.0	39.5	53.5	7.1	90.4	2.6	14.0	36.0	50.0	9.4	79.7	10.9	
Total%	0.7	3.7	5.0	5.2	66.4	1.9	1.0	2.6	3.6	0.9	7.9	1.1	
PHF			0.85			0.91			0.71			0.84	0.93

PM	Sampson Street Southbound			Harbor Drive Westbound			Sampson Street Northbound			Harbor Drive Eastbound			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Total
16:00	4	9	2	5	41	6	6	28	8	29	165	0	303
16:15	3	16	7	12	30	8	2	31	16	22	201	5	353
16:30	8	5	3	11	44	6	8	28	13	32	235	4	397
16:45	5	2	3	6	35	2	3	8	16	22	256	2	360
17:00	3	1	3	3	36	0	3	13	12	20	211	4	309
17:15	4	4	0	8	27	5	2	5	3	14	273	1	346
17:30	5	0	2	4	31	3	2	9	6	11	174	1	248
17:45	7	6	4	1	24	3	0	3	2	9	134	2	195
Total	39	43	24	50	268	33	26	125	76	159	1649	19	2511
Approach%	36.8	40.6	22.6	14.2	76.4	9.4	11.5	55.1	33.5	8.7	90.3	1.0	
Total%	1.6	1.7	1.0	2.0	10.7	1.3	1.0	5.0	3.0	6.3	65.7	0.8	

PM Intersection Peak Hour: **16:15 to 17:15**

Volume	19	24	16	32	145	16	16	80	57	96	903	15	1,419
Approach%	32.2	40.7	27.1	16.6	75.1	8.3	10.5	52.3	37.3	9.5	89.1	1.5	
Total%	1.3	1.7	1.1	2.3	10.2	1.1	1.1	5.6	4.0	6.8	63.6	1.1	
PHF			0.57			0.79			0.78			0.91	0.89

Intersection Turning Movement - Bicycle & Pedestrian Count

LINSCOTT LAW & GREENSPAN engineers

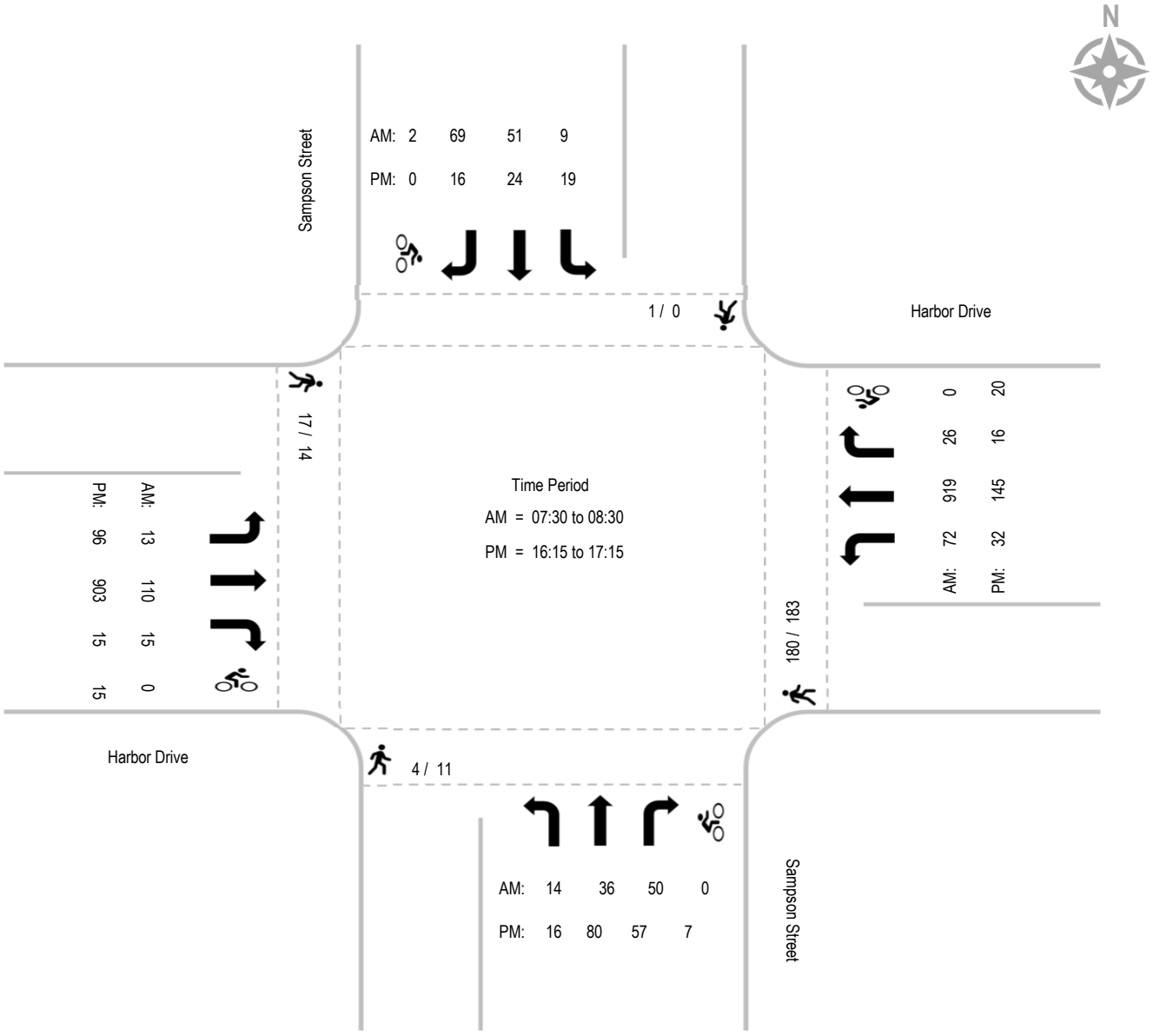
Location:	#02	File Name:	ITM-19-114-02
Intersection:	Sampson Street & Harbor Drive	Project:	LLG Ref. 3-19-3160
Date of Count:	Wednesday, October 2, 2019		San Diego Port

AM	Sampson Street Southbound				Harbor Drive Westbound				Sampson Street Northbound				Harbor Drive Eastbound				Totals	
	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	Bicycle
7:00	0	0	0	0	32	0	0	0	1	0	0	0	1	0	0	0	34	0
7:15	0	0	0	0	24	0	0	0	0	0	0	0	2	0	0	0	26	0
7:30	1	0	0	0	16	0	0	0	1	0	0	0	0	0	0	0	18	0
7:45	0	1	0	0	25	0	0	0	0	0	0	0	4	0	0	0	29	1
8:00	0	0	1	0	19	0	0	0	1	0	0	0	2	0	0	0	22	1
8:15	0	0	0	0	12	0	0	0	1	0	0	0	3	0	0	0	16	0
8:30	0	0	0	0	32	0	0	0	0	0	0	0	1	0	0	0	33	0
8:45	0	0	0	0	20	0	0	0	0	0	0	0	4	0	0	0	24	0
Ped Total	1				180				4				17				202	
Bike Total		1	1	0		0	0	0		0	0	0		0	0	0		2

PM	Sampson Street Southbound				Harbor Drive Westbound				Sampson Street Northbound				Harbor Drive Eastbound				Totals	
	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	Bicycle
16:00	0	0	0	0	0	0	1	0	0	0	0	0	2	0	1	0	2	2
16:15	0	0	0	0	72	0	2	0	3	0	1	0	2	0	3	0	77	6
16:30	0	0	0	0	53	0	3	0	4	0	2	0	6	0	0	0	63	5
16:45	0	0	0	0	23	0	3	0	0	0	0	0	2	1	1	0	25	5
17:00	0	0	0	0	15	0	2	0	0	0	0	0	0	0	0	0	15	2
17:15	0	0	0	0	8	0	2	0	3	0	3	0	1	0	3	0	12	8
17:30	0	0	0	0	7	0	4	0	1	0	0	1	1	1	1	0	9	7
17:45	0	0	0	0	5	0	3	0	0	0	0	0	0	1	3	0	5	7
Ped Total	0				183				11				14				208	
Bike Total		0	0	0		0	20	0		0	6	1		3	12	0		42

Intersection Turning Movement - Peak Hour Summary

Location:	#02	File Name:	ITM-19-114-02
Intersection:	Sampson Street & Harbor Drive	Project:	LLG Ref. 3-19-3160
Date of Count:	Wednesday, October 2, 2019		San Diego Port



Intersection Turning Movement - Peak Hour Vehicle Count

LINSCOTT LAW & GREENSPAN engineers

Location:	#03	File Name:	ITM-19-114-03
Intersection:	28th Street & Main Street	Project:	LLG Ref. 3-19-3160
Date of Count:	Wednesday, October 2, 2019		San Diego Port

AM	28th Street Southbound			Main Street Westbound			28th Street Northbound			Main Street Eastbound			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Total
7:00	54	118	7	28	80	143	1	49	8	6	23	4	521
7:15	74	120	11	29	103	157	7	29	2	9	22	3	566
7:30	53	111	11	26	144	135	5	25	5	6	22	7	550
7:45	59	77	11	21	132	126	16	22	6	19	19	4	512
8:00	48	70	16	19	126	150	10	39	5	10	19	15	527
8:15	48	49	7	12	107	99	6	36	9	9	26	5	413
8:30	48	46	13	8	75	85	5	43	7	12	27	7	376
8:45	36	28	12	10	76	71	4	40	7	13	22	6	325
Total	420	619	88	153	843	966	54	283	49	84	180	51	3790
Approach%	37.3	54.9	7.8	7.8	43.0	49.2	14.0	73.3	12.7	26.7	57.1	16.2	
Total%	11.1	16.3	2.3	4.0	22.2	25.5	1.4	7.5	1.3	2.2	4.7	1.3	

AM Intersection Peak Hour: **07:15 to 08:15**

Volume	234	378	49	95	505	568	38	115	18	44	82	29	2,155
Approach%	35.4	57.2	7.4	8.1	43.2	48.6	22.2	67.3	10.5	28.4	52.9	18.7	
Total%	10.9	17.5	2.3	4.4	23.4	26.4	1.8	5.3	0.8	2.0	3.8	1.3	
PHF			0.81			0.96			0.79			0.88	0.95

PM	28th Street Southbound			Main Street Westbound			28th Street Northbound			Main Street Eastbound			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Total
16:00	124	41	3	3	17	62	5	98	45	18	85	7	508
16:15	120	40	14	5	15	47	1	97	44	34	74	6	497
16:30	115	33	11	6	25	66	4	94	40	31	98	7	530
16:45	98	36	8	8	19	58	1	72	22	26	68	4	420
17:00	96	41	9	3	18	54	5	47	28	29	90	7	427
17:15	96	28	5	5	15	34	1	71	23	14	65	5	362
17:30	78	30	9	0	19	62	2	47	17	16	54	1	335
17:45	88	22	14	7	20	46	2	39	13	16	35	1	303
Total	815	271	73	37	148	429	21	565	232	184	569	38	3382
Approach%	70.3	23.4	6.3	6.0	24.1	69.9	2.6	69.1	28.4	23.3	71.9	4.8	
Total%	24.1	8.0	2.2	1.1	4.4	12.7	0.6	16.7	6.9	5.4	16.8	1.1	

PM Intersection Peak Hour: **16:00 to 17:00**

Volume	457	150	36	22	76	233	11	361	151	109	325	24	1,955
Approach%	71.1	23.3	5.6	6.6	23.0	70.4	2.1	69.0	28.9	23.8	71.0	5.2	
Total%	23.4	7.7	1.8	1.1	3.9	11.9	0.6	18.5	7.7	5.6	16.6	1.2	
PHF			0.92			0.85			0.88			0.84	0.92

Intersection Turning Movement - Bicycle & Pedestrian Count

LINSCOTT LAW & GREENSPAN engineers

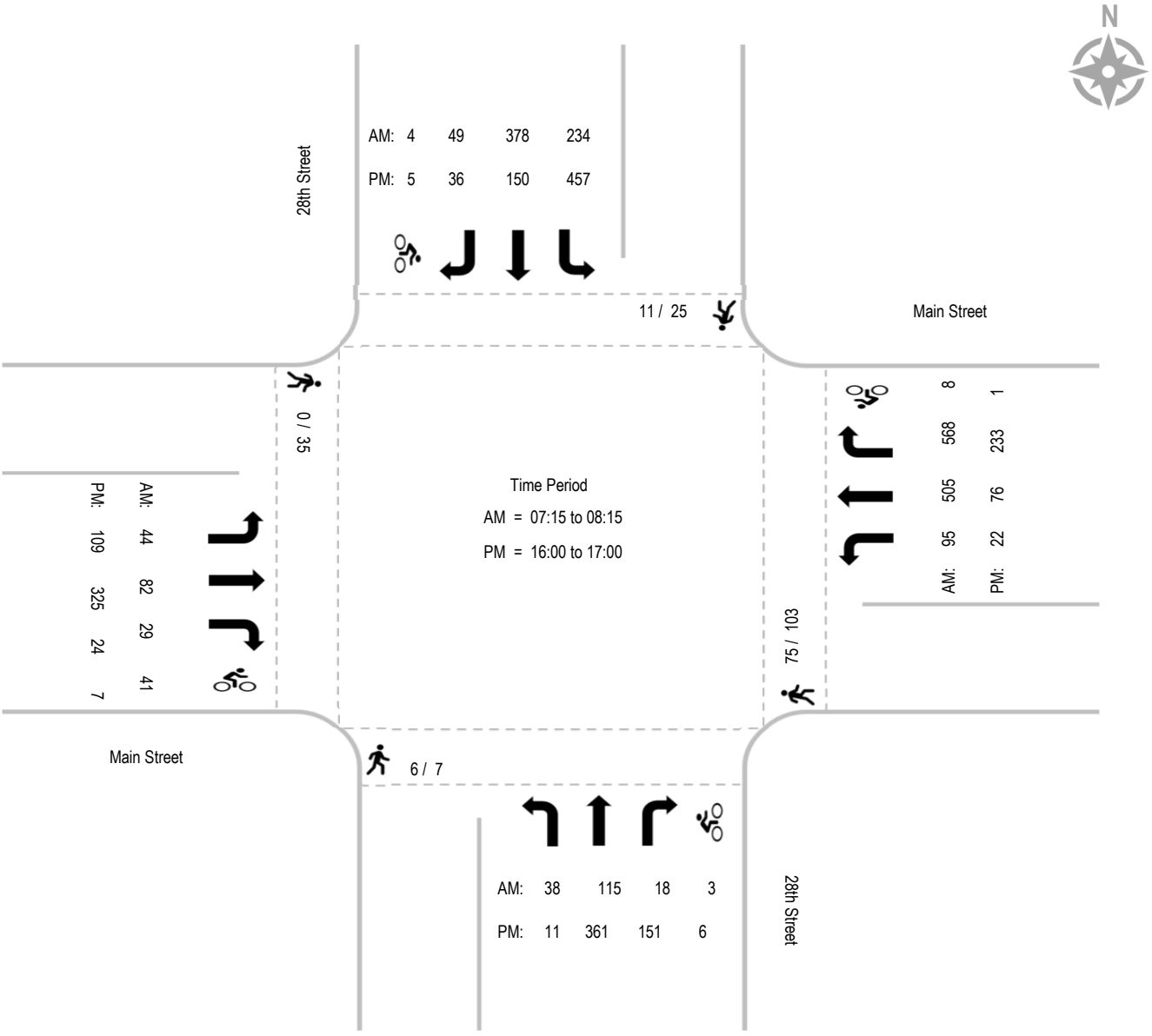
Location:	#03	File Name:	ITM-19-114-03
Intersection:	28th Street & Main Street	Project:	LLG Ref. 3-19-3160
Date of Count:	Wednesday, October 2, 2019		San Diego Port

AM	28th Street Southbound				Main Street Westbound				28th Street Northbound				Main Street Eastbound				Totals	
	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	Bicycle
7:00	0	0	1	0	5	0	0	1	0	0	0	0	0	9	0	0	5	11
7:15	1	0	0	0	4	2	2	1	1	0	0	0	0	9	0	0	6	14
7:30	3	0	1	0	8	0	1	1	1	0	0	0	0	5	0	0	12	8
7:45	2	0	0	0	13	0	0	0	2	0	0	2	0	5	0	0	17	7
8:00	3	0	1	0	17	0	0	0	2	0	1	0	0	5	0	0	22	7
8:15	0	0	1	0	5	0	0	0	0	0	0	0	0	3	0	0	5	4
8:30	1	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	15	0
8:45	1	0	0	0	9	0	0	0	0	0	0	0	0	5	0	0	10	5
Ped Total	11				75				6				0				92	
Bike Total		0	4	0		2	3	3		0	1	2		41	0	0		56

PM	28th Street Southbound				Main Street Westbound				28th Street Northbound				Main Street Eastbound				Totals	
	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	Bicycle
16:00	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	8	0
16:15	2	0	2	0	22	0	0	0	0	1	0	0	5	0	0	0	29	3
16:30	8	0	0	0	18	0	1	0	4	0	2	0	3	0	1	0	33	4
16:45	0	0	0	0	13	0	0	0	0	0	0	0	7	0	0	0	20	0
17:00	1	0	2	0	5	0	0	0	0	0	1	0	6	0	1	1	12	5
17:15	12	0	1	0	17	0	0	0	0	0	0	0	2	0	1	0	31	2
17:30	0	0	0	0	13	0	0	0	2	0	1	0	0	0	1	2	15	4
17:45	2	0	0	0	15	0	0	0	1	0	1	0	4	0	0	0	22	1
Ped Total	25				103				7				35				170	
Bike Total		0	5	0		0	1	0		1	5	0		0	4	3		19

Intersection Turning Movement - Peak Hour Summary

LINSCOTT LAW & GREENSPAN engineers	Location:	#03	File Name: ITM-19-114-03
	Intersection:	28th Street & Main Street	Project: LLG Ref. 3-19-3160
	Date of Count:	Wednesday, October 2, 2019	San Diego Port



Intersection Turning Movement - Peak Hour Vehicle Count

LINSCOTT LAW & GREENSPAN engineers

Location:	#04	File Name:	ITM-19-114-04
Intersection:	28th Street & National Avenue	Project:	LLG Ref. 3-19-3160
Date of Count:	Wednesday, October 2, 2019		San Diego Port

AM	28th Street Southbound			National Avenue Westbound			28th Street Northbound			National Avenue Eastbound			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Total
7:00	2	28	91	10	120	8	20	31	148	17	39	7	521
7:15	6	31	106	15	152	13	30	15	128	28	50	5	579
7:30	7	36	66	16	148	13	23	26	99	34	61	11	540
7:45	8	37	65	18	142	23	23	22	84	18	55	7	502
8:00	14	39	41	24	146	20	17	25	132	8	31	5	502
8:15	4	29	47	13	168	15	10	13	101	16	49	7	472
8:30	9	28	45	24	113	23	17	14	88	10	37	10	418
8:45	7	28	29	10	158	13	12	19	88	14	41	12	431
Total	57	256	490	130	1147	128	152	165	868	145	363	64	3965
Approach%	7.1	31.9	61.0	9.3	81.6	9.1	12.8	13.9	73.2	25.3	63.5	11.2	
Total%	1.4	6.5	12.4	3.3	28.9	3.2	3.8	4.2	21.9	3.7	9.2	1.6	

AM Intersection Peak Hour: **07:00 to 08:00**

Volume	23	132	328	59	562	57	96	94	459	97	205	30	2,142
Approach%	4.8	27.3	67.9	8.7	82.9	8.4	14.8	14.5	70.7	29.2	61.7	9.0	
Total%	1.1	6.2	15.3	2.8	26.2	2.7	4.5	4.4	21.4	4.5	9.6	1.4	
PHF			0.84			0.93			0.82			0.78	0.92

PM	28th Street Southbound			National Avenue Westbound			28th Street Northbound			National Avenue Eastbound			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Total
16:00	11	47	35	31	85	31	7	41	110	42	117	24	581
16:15	10	36	30	34	106	27	4	33	95	28	151	27	581
16:30	12	56	20	30	77	31	3	38	107	23	135	33	565
16:45	10	40	26	35	97	29	6	18	87	29	149	23	549
17:00	10	34	15	40	87	33	6	29	83	29	115	12	493
17:15	7	27	31	25	77	26	1	15	74	20	120	17	440
17:30	16	29	18	34	71	33	6	18	71	30	112	6	444
17:45	7	35	25	26	59	28	1	18	43	25	87	10	364
Total	83	304	200	255	659	238	34	210	670	226	986	152	4017
Approach%	14.1	51.8	34.1	22.1	57.2	20.7	3.7	23.0	73.3	16.6	72.3	11.1	
Total%	2.1	7.6	5.0	6.3	16.4	5.9	0.8	5.2	16.7	5.6	24.5	3.8	

PM Intersection Peak Hour: **16:00 to 17:00**

Volume	43	179	111	130	365	118	20	130	399	122	552	107	2,276
Approach%	12.9	53.8	33.3	21.2	59.5	19.2	3.6	23.7	72.7	15.6	70.7	13.7	
Total%	1.9	7.9	4.9	5.7	16.0	5.2	0.9	5.7	17.5	5.4	24.3	4.7	
PHF			0.90			0.92			0.87			0.95	0.98

Intersection Turning Movement - Bicycle & Pedestrian Count

LINSCOTT LAW & GREENSPAN engineers

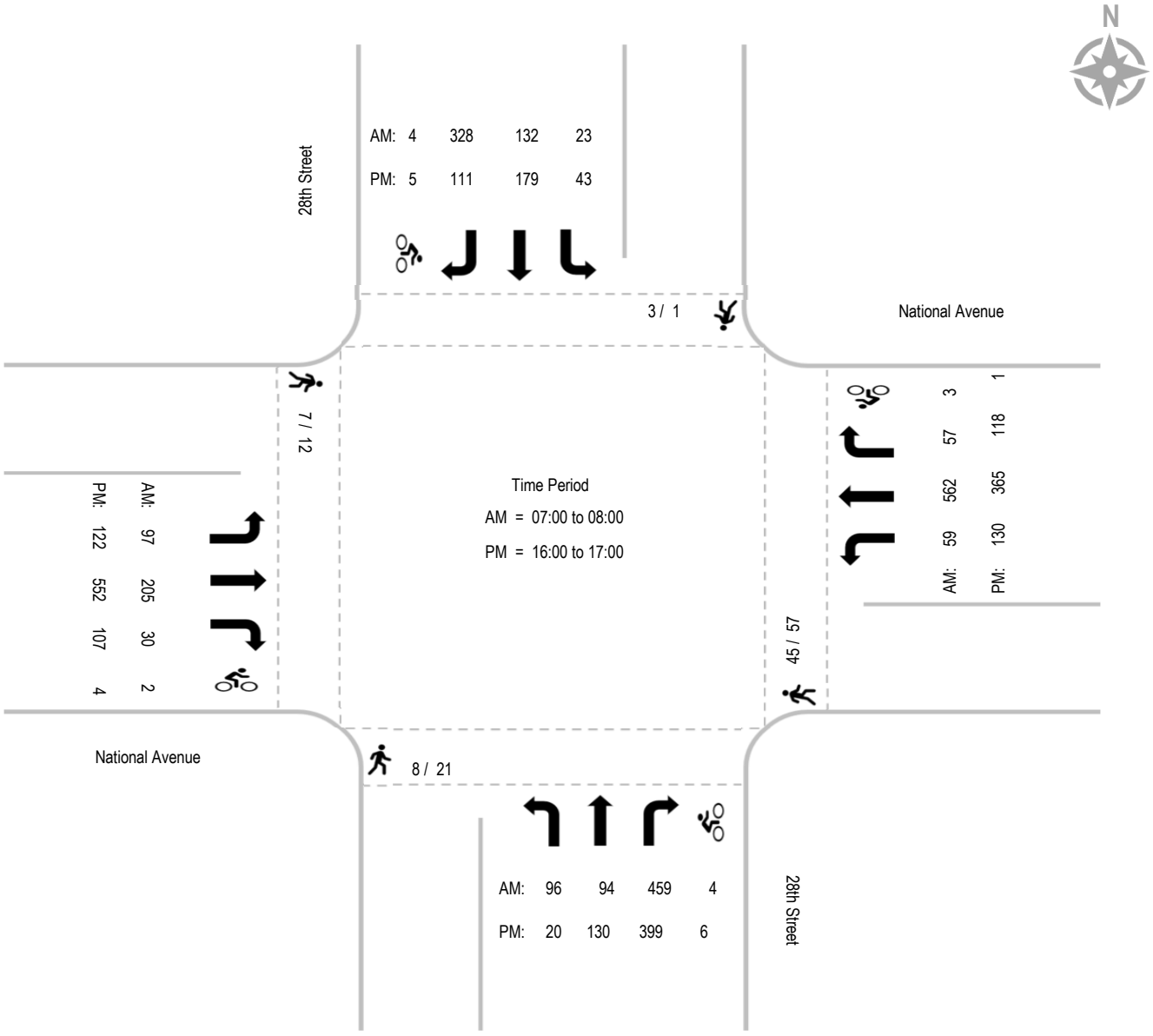
Location:	#04	File Name:	ITM-19-114-04
Intersection:	28th Street & National Avenue	Project:	LLG Ref. 3-19-3160
Date of Count:	Wednesday, October 2, 2019		San Diego Port

AM	28th Street Southbound				National Avenue Westbound				28th Street Northbound				National Avenue Eastbound				Totals	
	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	Bicycle
7:00	0	0	0	1	6	0	0	0	1	0	0	0	0	0	0	0	7	1
7:15	0	0	0	0	2	0	0	0	0	0	0	1	5	0	0	0	7	1
7:30	0	0	1	0	8	0	1	0	4	0	0	0	0	1	1	0	12	4
7:45	1	0	0	0	7	0	0	0	0	0	0	0	1	0	0	0	9	0
8:00	0	0	2	0	7	0	0	2	0	0	0	1	0	0	0	0	7	5
8:15	0	0	0	0	6	0	0	0	0	0	1	0	1	0	0	0	7	1
8:30	2	0	0	0	5	0	0	0	2	0	0	0	0	0	0	0	9	0
8:45	0	0	0	0	4	0	0	0	1	1	0	0	0	0	0	0	5	1
Ped Total	3				45				8				7				63	
Bike Total		0	3	1		0	1	2		1	1	2		1	1	0		13

PM	28th Street Southbound				National Avenue Westbound				28th Street Northbound				National Avenue Eastbound				Totals	
	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	Bicycle
16:00	0	0	2	0	0	0	0	0	1	0	0	0	2	0	0	0	3	2
16:15	0	0	1	0	9	0	0	0	2	0	0	2	1	0	0	0	12	3
16:30	0	0	2	0	4	0	0	0	6	0	0	0	2	0	1	0	12	3
16:45	0	0	0	0	5	0	0	0	3	0	0	0	3	0	0	0	11	0
17:00	0	0	0	0	11	0	1	0	2	0	0	1	1	0	2	0	14	4
17:15	1	0	0	0	12	0	0	0	1	0	0	0	0	0	1	0	14	1
17:30	0	0	0	0	10	0	0	0	2	0	1	0	1	0	0	0	13	1
17:45	0	0	0	0	6	0	0	0	4	0	1	1	2	0	0	0	12	2
Ped Total	1				57				21				12				91	
Bike Total		0	5	0		0	1	0		0	2	4		0	4	0		16

Intersection Turning Movement - Peak Hour Summary

LINSCOTT LAW & GREENSPAN engineers	Location:	#04	File Name: ITM-19-114-04
	Intersection:	28th Street & National Avenue	Project: LLG Ref. 3-19-3160
	Date of Count:	Wednesday, October 2, 2019	San Diego Port



Intersection Turning Movement - Peak Hour Vehicle Count

LINSCOTT LAW & GREENSPAN engineers

Location:	#05	File Name:	ITM-19-114-05
Intersection:	32nd Street & Harbor Drive	Project:	LLG Ref. 3-19-3160
Date of Count:	Wednesday, October 2, 2019		San Diego Port

AM	32nd Street Southbound			Harbor Drive Westbound			32nd Street Northbound			Harbor Drive Eastbound			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Total
7:00	29	117	39	54	193	81	0	0	16	23	56	31	639
7:15	28	170	31	33	263	78	0	0	15	15	60	27	720
7:30	26	137	28	34	281	81	0	0	17	17	62	34	717
7:45	38	95	26	16	243	101	0	0	26	17	50	26	638
8:00	31	72	29	15	267	100	10	9	8	13	52	22	628
8:15	42	64	20	16	236	92	11	41	2	22	51	16	613
8:30	30	80	32	17	226	112	17	33	7	23	37	12	626
8:45	45	56	43	15	133	55	10	55	3	19	40	17	491
Total	269	791	248	200	1842	700	48	138	94	149	408	185	5072
Approach%	20.6	60.5	19.0	7.3	67.2	25.5	17.1	49.3	33.6	20.1	55.0	24.9	
Total%	5.3	15.6	4.9	3.9	36.3	13.8	0.9	2.7	1.9	2.9	8.0	3.6	

AM Intersection Peak Hour: **07:00 to 08:00**

Volume	121	519	124	137	980	341	-	-	74	72	228	118	2,714
Approach%	15.8	67.9	16.2	9.4	67.2	23.4	-	-	100.0	17.2	54.5	28.2	
Total%	4.5	19.1	4.6	5.0	36.1	12.6	-	-	2.7	2.7	8.4	4.3	
PHF			0.83			0.92			0.71			0.92	0.94

PM	32nd Street Southbound			Harbor Drive Westbound			32nd Street Northbound			Harbor Drive Eastbound			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Total
16:00	64	39	27	1	51	91	18	168	25	41	190	9	724
16:15	51	31	31	7	65	73	33	162	16	38	210	5	722
16:30	48	31	28	2	52	105	25	132	29	48	283	9	792
16:45	75	37	31	1	30	68	31	136	14	18	235	5	681
17:00	45	26	33	4	34	83	21	125	8	35	213	14	641
17:15	75	30	23	3	29	97	23	80	8	41	204	10	623
17:30	63	29	22	6	37	99	16	68	10	32	207	13	602
17:45	58	39	16	4	28	94	16	64	4	31	157	8	519
Total	479	262	211	28	326	710	183	935	114	284	1699	73	5304
Approach%	50.3	27.5	22.2	2.6	30.6	66.7	14.9	75.9	9.3	13.8	82.6	3.6	
Total%	9.0	4.9	4.0	0.5	6.1	13.4	3.5	17.6	2.1	5.4	32.0	1.4	

PM Intersection Peak Hour: **16:00 to 17:00**

Volume	238	138	117	11	198	337	107	598	84	145	918	28	2,919
Approach%	48.3	28.0	23.7	2.0	36.3	61.7	13.6	75.8	10.6	13.3	84.1	2.6	
Total%	8.2	4.7	4.0	0.4	6.8	11.5	3.7	20.5	2.9	5.0	31.4	1.0	
PHF			0.86			0.86			0.93			0.80	0.92

Intersection Turning Movement - Bicycle & Pedestrian Count

LINSCOTT LAW & GREENSPAN engineers

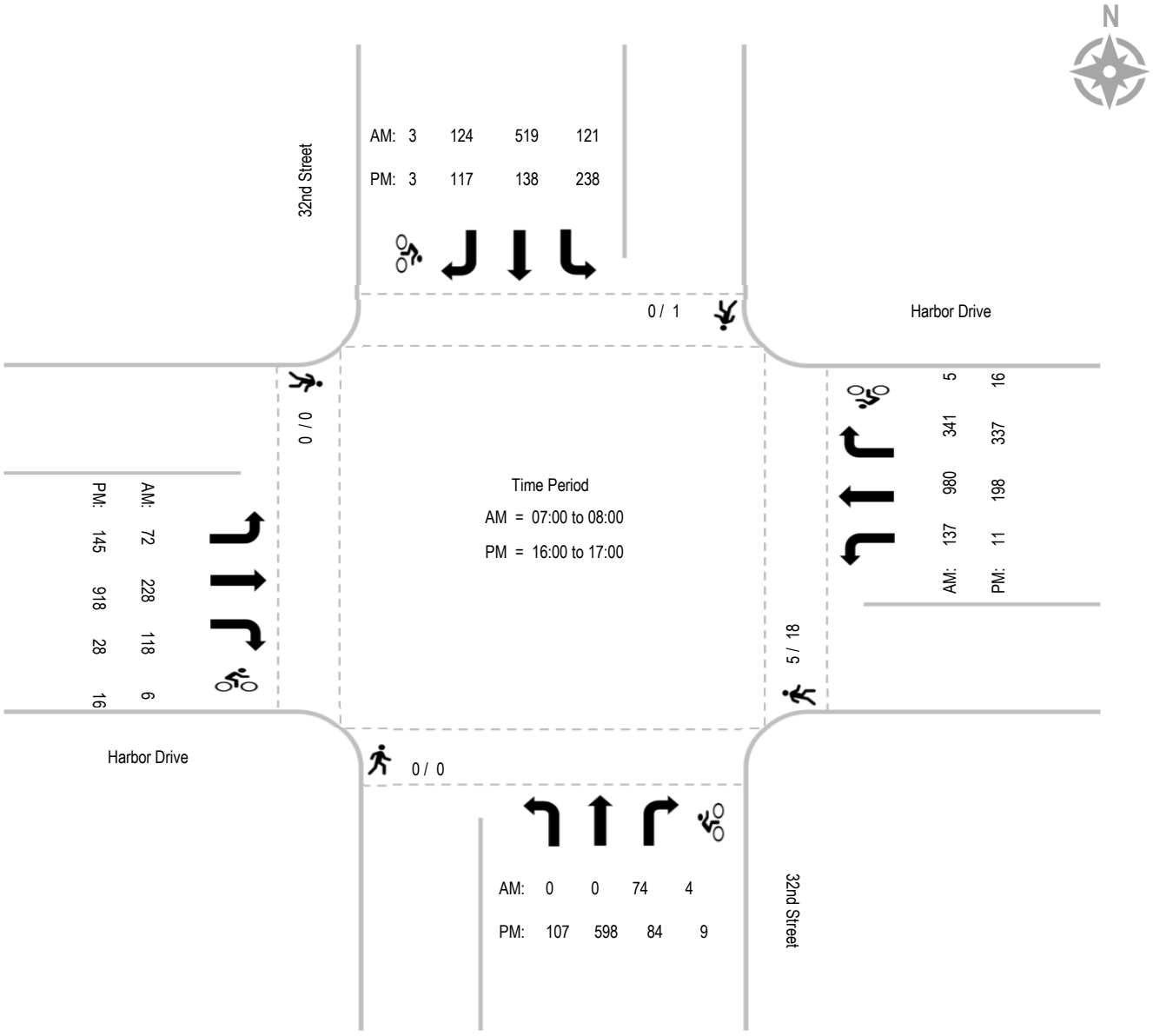
Location:	#05	File Name:	ITM-19-114-05
Intersection:	32nd Street & Harbor Drive	Project:	LLG Ref. 3-19-3160
Date of Count:	Wednesday, October 2, 2019		San Diego Port

AM	32nd Street Southbound				Harbor Drive Westbound				32nd Street Northbound				Harbor Drive Eastbound				Totals	
	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	Bicycle
7:00	0	0	0	1	3	0	1	0	0	0	1	0	0	1	0	0	3	4
7:15	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
7:30	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	2
7:45	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
8:00	0	0	0	0	2	0	0	0	0	0	1	0	0	1	1	0	2	3
8:15	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
8:30	0	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	4
8:45	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Ped Total	0				5				0				0				5	
Bike Total		0	1	2		0	5	0		0	4	0		4	2	0		18

PM	32nd Street Southbound				Harbor Drive Westbound				32nd Street Northbound				Harbor Drive Eastbound				Totals	
	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	B-Left	B-Thru	B-Right	Ped	Bicycle
16:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	3
16:15	0	0	0	0	7	2	2	0	0	0	3	0	0	0	0	0	7	7
16:30	0	0	0	1	2	0	2	0	0	0	2	0	0	0	0	1	2	6
16:45	0	0	0	0	8	0	2	0	0	0	0	0	0	0	1	0	8	3
17:00	1	0	0	0	0	0	1	0	0	0	1	0	0	1	1	0	1	4
17:15	0	0	1	0	1	0	2	0	0	1	0	0	0	0	4	0	1	8
17:30	0	0	0	0	0	0	2	1	0	0	0	0	0	0	2	0	0	5
17:45	0	0	0	0	0	0	2	0	0	2	0	0	0	0	4	0	0	8
Ped Total	1				18				0				0				19	
Bike Total		0	1	2		2	13	1		3	6	0		1	13	2		44

Intersection Turning Movement - Peak Hour Summary

LINSCOTT LAW & GREENSPAN engineers	Location:	#05	File Name: ITM-19-114-05
	Intersection:	32nd Street & Harbor Drive	Project: LLG Ref. 3-19-3160
	Date of Count:	Wednesday, October 2, 2019	San Diego Port



Linscott, Law & Greenspan

4542 Ruffner Street #100, San Diego, California 92111

BICYCLES

Start Date: 10/02/2019

Location: 32nd Street, Walbash Avenue & Norman Scott Road

File Name: 114-AM-6

,

	32nd Street Southbound				Walbash Ave - I-15 Ramps Southwestbound				Norman Scott Road Westbound					32nd Street Northbound					Norman Scott Road Eastbound					
Start Time	Left	Thru	Right	Ped	Left	Thru	Right	Ped	Left	Thru	Thru Right	Sharep Right	Ped	Left	Thru Left	Thru Right	Right	Ped	Sharp Left	Thru Left	Thru	right	Ped	Interval Total
7:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1	0	0	5
7:15	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4
7:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
7:45	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	2	0	0	11
8:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
8:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
Grand Total	2	3	0	0	0	0	0	0	1	0	0	0	0	0	0	1	4	0	0	0	2	0	0	13
Approach%	40.0	60.0	-	-	-	-	-	-	100.0	-	-	-	-	-	-	20.0	80.0	-	-	-	100.0	-	-	
Total%	15.4	23.1	-	-	-	-	-	-	7.7	-	-	-	-	-	-	7.7	30.8	-	-	-	15.4	-	-	

Peak hour analysis for the period 07:00 to 07:45

Volume	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Approach%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PHF				#####				#####					#####					#####					#####		

Linscott, Law & Greenspan

4542 Ruffner Street #100, San Diego, California 92111

Start Date: 10/03/2019

Location: 32nd Street, Walbash Avenue & Norman Scott Road

File Name: 114-AM-6

,

	32nd Street Southbound				Walbash Ave - I-15 Ramps Southwestbound				Norman Scott Road Westbound					32nd Street Northbound					Norman Scott Road Eastbound					
Start Time	Left	Thru	Right	Ped	Left	Thru	Right	Ped	Left	Thru	Thru Right	Sharp Right	Ped	Left	Thru Left	Thru Right	Right	Ped	Sharp Left	Thru Left	Thru	Right	Ped	Interval Total
7:00	35	66	3	0	1	159	9	0	0	0	0	0	2	11	23	24	41	3	3	3	7	12	2	404
7:15	54	58	0	0	1	139	8	0	0	0	0	0	1	7	31	38	44	4	3	2	8	11	3	412
7:30	32	46	1	0	0	146	7	0	0	0	0	0	0	8	52	38	26	11	4	2	6	4	5	388
7:45	34	52	9	0	0	76	13	0	0	0	0	0	2	5	48	60	47	6	5	3	10	10	4	384
Total	155	222	13	0	2	520	37	0	0	0	0	0	5	31	154	160	158	24	15	10	31	37	14	1588
8:00	27	39	7	0	1	73	19	0	3	0	0	0	2	14	49	62	34	10	1	3	13	13	8	378
8:15	25	25	1	0	1	69	15	0	25	0	8	6	0	7	36	65	43	11	14	7	5	12	13	388
8:30	28	21	4	0	0	47	12	0	30	8	19	14	0	25	64	40	36	9	15	6	7	22	6	413
8:45	8	34	2	0	0	46	7	0	39	7	22	10	0	24	49	35	36	4	14	6	4	18	2	367
Total	88	119	14	0	2	235	53	0	97	15	49	30	2	70	198	202	149	34	44	22	29	65	29	1546
Grand Total	243	341	27	0	4	755	90	0	97	15	49	30	7	101	352	362	307	58	59	32	60	102	43	3134
Approach%	39.8	55.8	4.4	-	0.5	89.3	10.6	-	49.0	7.9	24.7	15.2	3.5	8.6	29.8	30.7	28.5	4.9	19.9	10.8	25.3	34.5	14.5	
Total%	7.8	10.9	0.9	-	0.1	24.1	2.9	-	3.1	0.5	1.6	1.0	0.2	3.2	11.2	11.6	9.8	1.9	1.9	1.0	1.9	3.3	1.4	

Peak hour analysis for the period 07:00 to 07:45

Volume	155	222	13	-	2	520	37	-	-	-	-	-	5	31	154	160	158	24	15	10	31	37	14	1,583
Approach%	39.7	56.9	3.3	-	0.4	93.4	6.6	-	-	-	-	-	####	5.9	29.2	30.4	31.9	4.6	14.0	9.3	33.7	34.6	13.1	
Total%	9.8	14.0	0.8	-	0.1	32.8	2.3	-	-	-	-	-	0.3	2.0	9.7	10.1	10.0	1.5	0.9	0.6	2.0	2.3	0.9	
PHF				0.87				0.83					0.63					0.79					0.84	

Note: Gate Closed till 8:00 AM

Linscott, Law & Greenspan

4542 Ruffner Street #100, San Diego, California 92111

BICYCLES

Start Date: 10/02/2019

Location: 32nd Street, Walbash Avenue & Norman Scott Road

File Name: 114-PM-6

,

	32nd Street Southbound				Walbash Ave - I-15 Ramps Southwestbound				Norman Scott Road Westbound					32nd Street Northbound					Norman Scott Road Eastbound					
Start Time	Left	Thru	Right	Ped	Left	Thru	Right	Ped	Left	Thru	Thru Right	Sharep Right	Ped	Left	Thru Left	Thru Right	Right	Ped	Sharp Left	Thru Left	Thru	right	Ped	Interval Total
16:00	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
16:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3
16:45	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	4
Total	0	3	0	0	0	0	0	0	0	1	1	0	0	2	2	0	0	0	0	0	0	0	0	9
17:00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
17:15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
17:30	0	3	0	0	0	0	0	0	0	1	0	0	0	1	2	0	0	0	0	0	0	0	0	7
17:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	3	0	0	0	0	0	0	0	1	1	0	0	2	2	0	0	0	0	0	0	0	0	9
Grand Total	0	6	0	0	0	0	0	0	0	2	2	0	0	4	4	0	0	0	0	0	0	0	0	18
Approach%	-	100.0	-	-	-	-	-	-	-	50.0	50.0	-	-	50.0	50.0	-	-	-	-	-	-	-	-	
Total%	-	33.3	-	-	-	-	-	-	-	11.1	11.1	-	-	22.2	22.2	-	-	-	-	-	-	-	-	

Peak hour analysis for the period 16:45 to 17:30

Volume	-	5	-	-	-	-	-	-	-	1	2	-	-	3	2	-	-	-	-	-	-	-	-	10
Approach%	-	####	-	-	-	-	-	-	-	33.3	66.7	-	-	60.0	40.0	-	-	-	-	-	-	-	-	
Total%	-	50.0	-	-	-	-	-	-	-	10.0	20.0	-	-	30.0	20.0	-	-	-	-	-	-	-	-	
PHF				0.42				#####					0.75					0.42					#####	

Linscott, Law & Greenspan

4542 Ruffner Street #100, San Diego, California 92111

Start Date: 10/02/2019

Location: 32nd Street, Walbash Avenue & Norman Scott Road

File Name: 114-PM-6

,

	32nd Street Southbound				Walbash Ave - I-15 Ramps Southwestbound				Norman Scott Road Westbound					32nd Street Northbound					Norman Scott Road Eastbound					
Start Time	Left	Thru	Right	Ped	Left	Thru	Right	Ped	Left	Thru	Thru Right	Sharp Right	Ped	Left	Thru Left	Thru Right	Right	Ped	Sharp Left	Thru Left	Thru	Right	Ped	Interval Total
16:00	46	33	3	0	0	11	11	0	31	12	23	51	0	37	48	158	51	23	11	16	5	21	1	592
16:15	63	37	6	0	1	18	5	0	23	9	38	38	0	26	54	128	49	20	9	22	4	22	7	579
16:30	46	48	6	0	1	14	9	0	29	11	34	41	0	22	51	143	44	18	15	11	13	17	10	583
16:45	35	33	3	0	2	24	11	0	20	6	31	44	0	29	68	110	30	24	12	20	8	17	12	539
Total	190	151	18	0	4	67	36	0	103	38	126	174	0	114	221	539	174	85	47	69	30	77	30	2293
17:00	50	38	5	0	1	15	8	0	24	4	34	35	0	29	39	129	36	15	7	16	10	13	13	521
17:15	59	33	7	0	1	31	12	0	23	6	37	41	0	35	39	122	41	17	16	17	12	21	9	579
17:30	56	34	3	0	0	23	4	0	17	7	30	29	0	26	23	109	40	20	16	15	8	11	21	492
17:45	54	30	11	0	0	0	0	0	20	9	25	25	0	24	38	68	47	17	13	16	9	12	14	432
Total	219	135	26	0	2	69	24	0	84	26	126	130	0	114	139	428	164	69	52	64	39	57	57	2024
Grand Total	409	286	44	0	6	136	60	0	187	64	252	304	0	228	360	967	338	154	99	133	69	134	87	4317
Approach%	55.3	38.7	6.0	-	3.0	69.4	29.7	-	23.2	7.9	31.2	37.7	-	11.1	17.6	47.2	18.6	7.5	19.0	25.5	16.3	25.7	16.7	
Total%	9.5	6.6	1.0	-	0.1	3.2	1.4	-	4.3	1.5	5.8	7.0	-	5.3	8.3	22.4	7.8	3.6	2.3	3.1	1.6	3.1	2.0	

Peak hour analysis for the period 16:00 to 16:45

Volume	190	151	18	-	4	67	36	-	103	38	126	174	-	114	221	539	174	85	47	69	30	77	30	1,852
Approach%	52.9	42.1	5.0	-	3.7	65.0	33.6	-	23.4	8.6	28.6	39.5	-	10.1	19.5	47.6	17.1	7.5	18.6	27.3	14.6	30.4	11.9	
Total%	10.3	8.2	1.0	-	0.2	3.6	1.9	-	5.6	2.1	6.8	9.4	-	6.2	11.9	29.1	9.4	4.6	2.5	3.7	1.6	4.2	1.6	
PHF				0.85				0.72					0.94					0.89					0.92	

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Linscott, Law & Greenspan, Engineers

4542 Ruffner Street, Suite 100, San Diego, CA 92111

Average Daily Traffic

Location: **Harbor Drive, between Beardsley Street and Cesar Chavez Parkway**

Date: **Thursday, October 3, 2019** Total Daily Volume: **16795** Description: **Total Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
157	71	69	97	246	611	913	1452	823	796	748	750	781	795	1004	1363	1742	1507	833	498	442	433	396	268
52	12	24	23	26	126	194	332	324	239	202	171	180	215	234	268	398	387	263	141	104	132	104	81
33	16	12	19	62	133	210	361	248	210	185	197	182	164	199	299	433	416	208	108	99	100	107	65
47	26	22	23	70	168	217	410	151	189	167	202	218	231	282	393	448	358	180	140	119	111	101	78
25	17	11	32	88	184	292	349	100	158	194	180	201	185	289	403	463	346	182	109	120	90	84	44

Date: **Thursday, October 3, 2019** Total Daily Volume: **9689** Description: **Eastbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
107	44	39	50	96	395	404	308	191	375	419	405	455	465	632	927	1357	1189	548	300	286	289	227	181
39	4	16	19	8	66	119	93	68	61	112	90	107	130	143	172	286	293	186	91	67	93	51	46
19	10	4	7	21	80	118	57	76	115	103	108	116	94	121	195	341	339	124	55	69	60	69	45
33	18	14	10	19	128	88	89	26	109	89	114	120	144	191	268	346	286	124	87	78	79	60	61
16	12	5	14	48	121	79	69	21	90	115	93	112	97	177	292	384	271	114	67	72	57	47	29

Date: **Thursday, October 3, 2019** Total Daily Volume: **7106** Description: **Westbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
50	27	30	47	150	216	509	1144	632	421	329	345	326	330	372	436	385	318	285	198	156	144	169	87
13	8	8	4	18	60	75	239	256	178	90	81	73	85	91	96	112	94	77	50	37	39	53	35
14	6	8	12	41	53	92	304	172	95	82	89	66	70	78	104	92	77	84	53	30	40	38	20
14	8	8	13	51	40	129	321	125	80	78	88	98	87	91	125	102	72	56	53	41	32	41	17
9	5	6	18	40	63	213	280	79	68	79	87	89	88	112	111	79	75	68	42	48	33	37	15

Linscott, Law & Greenspan, Engineers

4542 Ruffner Street, Suite 100, San Diego, CA 92111

Average Daily Traffic

Location: **Harbor Drive, between Cesar Chavez Parkway and Sampson Street**

Date: **Thursday, October 3, 2019** Total Daily Volume: **11917** Description: **Total Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
42	38	41	63	135	564	748	1134	939	572	541	561	584	523	796	1028	1353	1135	471	163	155	123	139	69
18	3	13	6	14	103	194	243	265	141	126	130	116	145	166	224	303	294	168	49	38	51	39	29
10	8	11	14	20	119	177	301	251	159	158	140	168	117	175	250	299	316	123	41	35	20	39	12
6	15	6	17	40	169	153	330	258	134	118	181	151	121	231	278	397	291	92	34	44	29	32	14
8	12	11	26	61	173	224	260	165	138	139	110	149	140	224	276	354	234	88	39	38	23	29	14

Date: **Thursday, October 3, 2019** Total Daily Volume: **7043** Description: **Eastbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
34	27	27	31	86	445	423	197	132	284	284	319	314	299	495	704	1108	983	360	119	117	100	98	57
16	3	9	4	11	74	156	68	39	55	67	68	64	82	102	146	235	244	124	35	25	42	27	23
6	6	7	7	11	93	128	48	41	84	86	86	93	66	110	166	239	286	101	32	30	16	28	10
4	9	4	12	22	144	71	42	25	81	60	97	83	74	139	188	320	258	75	23	34	25	26	12
8	9	7	8	42	134	68	39	27	64	71	68	74	77	144	204	314	195	60	29	28	17	17	12

Date: **Thursday, October 3, 2019** Total Daily Volume: **4874** Description: **Westbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
8	11	14	32	49	119	325	937	807	288	257	242	270	224	301	324	245	152	111	44	38	23	41	12
2	0	4	2	3	29	38	175	226	86	59	62	52	63	64	78	68	50	44	14	13	9	12	6
4	2	4	7	9	26	49	253	210	75	72	54	75	51	65	84	60	30	22	9	5	4	11	2
2	6	2	5	18	25	82	288	233	53	58	84	68	47	92	90	77	33	17	11	10	4	6	2
0	3	4	18	19	39	156	221	138	74	68	42	75	63	80	72	40	39	28	10	10	6	12	2

Linscott, Law & Greenspan, Engineers

4542 Ruffner Street, Suite 100, San Diego, CA 92111

Average Daily Traffic

Location: **Harbor Drive, between Sampson Street and Schley Street**

Date: **Thursday, October 3, 2019** Total Daily Volume: **13901** Description: **Total Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
116	86	85	163	234	686	824	1223	1115	722	658	729	639	660	948	1076	1277	1110	576	269	235	163	177	130
39	12	23	27	44	123	186	271	320	189	171	187	142	146	173	249	299	297	190	68	61	57	47	49
36	19	19	41	47	148	203	307	296	193	166	166	162	155	219	272	299	303	165	78	52	36	39	21
14	29	21	46	71	211	199	357	298	168	159	204	173	164	305	272	355	288	110	63	65	38	41	29
27	26	22	49	72	204	236	288	201	172	162	172	162	195	251	283	324	222	111	60	57	32	50	31

Date: **Thursday, October 3, 2019** Total Daily Volume: **7565** Description: **Eastbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
68	48	44	76	105	360	368	233	220	353	330	392	347	347	571	698	1019	949	420	149	144	121	112	91
26	8	16	14	31	63	105	70	63	85	93	98	78	79	102	169	227	243	144	41	31	47	26	35
18	15	7	21	21	66	113	66	72	82	92	95	87	77	106	168	233	268	119	38	39	21	21	16
9	13	15	19	29	120	76	51	43	102	67	104	94	91	206	172	285	251	82	37	43	30	24	19
15	12	6	22	24	111	74	46	42	84	78	95	88	100	157	189	274	187	75	33	31	23	41	21

Date: **Thursday, October 3, 2019** Total Daily Volume: **6336** Description: **Westbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
48	38	41	87	129	326	456	990	895	369	328	337	292	313	377	378	258	161	156	120	91	42	65	39
13	4	7	13	13	60	81	201	257	104	78	89	64	67	71	80	72	54	46	27	30	10	21	14
18	4	12	20	26	82	90	241	224	111	74	71	75	78	113	104	66	35	46	40	13	15	18	5
5	16	6	27	42	91	123	306	255	66	92	100	79	73	99	100	70	37	28	26	22	8	17	10
12	14	16	27	48	93	162	242	159	88	84	77	74	95	94	94	50	35	36	27	26	9	9	10

Linscott, Law & Greenspan, Engineers

4542 Ruffner Street, Suite 100, San Diego, CA 92111

Average Daily Traffic

Location: **Harbor Drive, between Schley Street and 28th Street**

Date: **Thursday, October 3, 2019** Total Daily Volume: **13441** Description: **Total Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
139	67	82	145	207	604	782	1090	1069	687	659	668	617	603	914	1435	1268	1085	501	240	203	117	165	94
78	12	25	19	37	112	162	243	308	193	165	159	137	118	166	333	302	264	155	58	47	56	37	44
26	12	18	38	43	114	207	292	297	161	169	159	159	150	199	407	253	316	142	68	47	22	31	19
11	28	23	33	63	195	189	312	263	170	162	188	163	161	298	400	350	292	107	54	60	18	45	17
24	15	16	55	64	183	224	243	201	163	163	162	158	174	251	295	363	213	97	60	49	21	52	14

Date: **Thursday, October 3, 2019** Total Daily Volume: **7681** Description: **Eastbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
82	39	55	60	91	375	391	229	198	320	339	365	346	342	576	946	1050	957	382	151	135	61	114	77
41	8	21	12	22	62	105	76	58	80	98	85	76	73	101	213	237	226	124	35	25	44	29	34
17	10	8	16	22	68	132	54	67	65	96	91	87	78	103	259	210	285	113	40	36	11	15	16
8	10	18	12	22	126	86	57	36	100	75	97	94	96	206	272	286	264	78	33	44	4	33	14
16	11	8	20	25	119	68	42	37	75	70	92	89	95	166	202	317	182	67	43	30	2	37	13

Date: **Thursday, October 3, 2019** Total Daily Volume: **5760** Description: **Westbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
57	28	27	85	116	229	391	861	871	367	320	303	271	261	338	489	218	128	119	89	68	56	51	17
37	4	4	7	15	50	57	167	250	113	67	74	61	45	65	120	65	38	31	23	22	12	8	10
9	2	10	22	21	46	75	238	230	96	73	68	72	72	96	148	43	31	29	28	11	11	16	3
3	18	5	21	41	69	103	255	227	70	87	91	69	65	92	128	64	28	29	21	16	14	12	3
8	4	8	35	39	64	156	201	164	88	93	70	69	79	85	93	46	31	30	17	19	19	15	1

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Average Daily Traffic

Location: **Harbor Drive, between 28th Street and Belt Street**

Date: **Thursday, October 3, 2019** Total Daily Volume: **20358** Description: **Total Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
172	94	107	263	630	1233	1329	1705	1420	924	987	1108	1029	967	1417	2188	1741	1359	638	323	242	181	180	121
90	23	26	32	109	250	295	362	377	235	247	267	251	231	279	484	433	375	198	92	64	68	36	50
37	26	24	52	142	269	316	490	375	222	256	264	247	214	282	570	373	369	183	81	60	40	38	27
20	21	28	78	181	375	356	480	418	242	243	307	270	252	442	542	471	351	123	70	65	44	58	21
25	24	29	101	198	339	362	373	250	225	241	270	261	270	414	592	464	264	134	80	53	29	48	23

Date: **Thursday, October 3, 2019** Total Daily Volume: **11255** Description: **Eastbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
131	55	56	96	250	853	823	623	402	439	509	584	573	500	722	1306	1219	1057	428	174	148	100	114	93
73	16	20	13	36	162	215	177	102	111	154	129	132	132	125	247	282	285	144	52	34	47	25	37
28	14	10	22	47	186	206	175	110	92	131	136	123	90	125	294	245	292	125	39	40	18	19	23
13	9	16	25	69	256	218	148	107	129	124	166	148	150	254	354	351	287	89	34	47	22	40	16
17	16	10	36	98	249	184	123	83	107	100	153	170	128	218	411	341	193	70	49	27	13	30	17

Date: **Thursday, October 3, 2019** Total Daily Volume: **9103** Description: **Westbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
41	39	51	167	380	380	506	1082	1018	485	478	524	456	467	695	882	522	302	210	149	94	81	66	28
17	7	6	19	73	88	80	185	275	124	93	138	119	99	154	237	151	90	54	40	30	21	11	13
9	12	14	30	95	83	110	315	265	130	125	128	124	124	157	276	128	77	58	42	20	22	19	4
7	12	12	53	112	119	138	332	311	113	119	141	122	102	188	188	120	64	34	36	18	22	18	5
8	8	19	65	100	90	178	250	167	118	141	117	91	142	196	181	123	71	64	31	26	16	18	6

Linscott, Law & Greenspan, Engineers

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Average Daily Traffic

Location: **Harbor Drive, between Belt Street and 32nd Street**

Date: **Thursday, October 3, 2019** Total Daily Volume: **19954** Description: **Total Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
194	105	122	276	703	1026	1289	1614	1386	959	1025	1119	1000	981	1379	1911	1684	1395	680	345	254	187	194	126
107	30	31	32	124	173	306	366	372	253	273	254	247	214	284	452	412	360	211	97	68	72	42	45
43	24	28	48	180	220	312	440	384	237	237	281	237	234	292	500	341	400	186	91	64	45	44	35
17	23	32	82	202	305	331	431	364	230	245	305	249	274	402	427	428	366	138	71	67	41	60	24
27	28	31	114	197	328	340	377	266	239	270	279	267	259	401	532	503	269	145	86	55	29	48	22

Date: **Thursday, October 3, 2019** Total Daily Volume: **11036** Description: **Eastbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
162	66	60	94	213	588	629	511	383	475	566	604	554	553	817	1333	1258	1044	458	197	154	99	120	98
96	25	22	11	38	88	172	130	87	117	165	137	127	121	157	270	309	258	150	56	36	46	25	36
38	15	11	19	51	117	174	137	111	117	135	146	122	120	151	351	244	305	132	49	44	21	25	27
14	9	17	24	63	181	161	132	87	117	127	162	138	170	246	314	313	289	99	36	45	20	40	20
14	17	10	40	61	202	122	112	98	124	139	159	167	142	263	398	392	192	77	56	29	12	30	15

Date: **Thursday, October 3, 2019** Total Daily Volume: **8918** Description: **Westbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
32	39	62	182	490	438	660	1103	1003	484	459	515	446	428	562	578	426	351	222	148	100	88	74	28
11	5	9	21	86	85	134	236	285	136	108	117	120	93	127	182	103	102	61	41	32	26	17	9
5	9	17	29	129	103	138	303	273	120	102	135	115	114	141	149	97	95	54	42	20	24	19	8
3	14	15	58	139	124	170	299	277	113	118	143	111	104	156	113	115	77	39	35	22	21	20	4
13	11	21	74	136	126	218	265	168	115	131	120	100	117	138	134	111	77	68	30	26	17	18	7

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Average Daily Traffic

Location: **28th Street, between Harbor Drive and Main Street**

Date: **Thursday, October 3, 2019** Total Daily Volume: **12817** Description: **Total Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
174	71	70	135	574	1306	1293	903	600	555	633	864	739	700	839	1124	733	504	314	243	143	139	90	71
117	15	22	15	82	249	357	241	152	129	134	195	197	174	170	309	205	152	98	75	40	54	20	16
39	12	19	24	105	320	347	263	132	147	149	246	171	179	176	288	188	131	74	56	33	27	15	17
5	25	9	49	169	373	295	214	168	150	177	223	186	190	232	271	175	130	59	51	45	34	21	19
13	19	20	47	218	364	294	185	148	129	173	200	185	157	261	256	165	91	83	61	25	24	34	19

Date: **Thursday, October 3, 2019** Total Daily Volume: **5308** Description: **Northbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
140	25	28	21	67	113	155	179	242	252	307	395	321	387	495	800	509	327	185	135	69	73	47	36
100	8	16	3	10	27	40	42	70	47	59	101	80	78	97	190	151	97	58	38	16	25	13	11
30	7	4	3	18	23	44	32	43	73	76	113	87	108	105	189	127	92	48	33	18	14	6	7
2	4	2	10	13	35	36	50	71	75	84	94	81	113	145	210	121	77	28	30	21	15	11	9
8	6	6	5	26	28	35	55	58	57	88	87	73	88	148	211	110	61	51	34	14	19	17	9

Date: **Thursday, October 3, 2019** Total Daily Volume: **7509** Description: **Southbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
34	46	42	114	507	1193	1138	724	358	303	326	469	418	313	344	324	224	177	129	108	74	66	43	35
17	7	6	12	72	222	317	199	82	82	75	94	117	96	73	119	54	55	40	37	24	29	7	5
9	5	15	21	87	297	303	231	89	74	73	133	84	71	71	99	61	39	26	23	15	13	9	10
3	21	7	39	156	338	259	164	97	75	93	129	105	77	87	61	54	53	31	21	24	19	10	10
5	13	14	42	192	336	259	130	90	72	85	113	112	69	113	45	55	30	32	27	11	5	17	10

Linscott, Law & Greenspan, Engineers

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Average Daily Traffic

Location: **BC 19-114 ADT 28th Street, between Main Street and Boston Avenue**

Date: **Thursday, October 3, 2019** Total Daily Volume: **16396** Description: **Total Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
125	201	103	87	158	404	647	959	1118	992	845	876	1065	990	977	1175	1402	1166	883	693	583	396	309	242
82	104	35	30	20	65	128	233	286	297	186	207	268	243	233	256	352	293	252	208	149	118	93	58
25	38	20	21	28	64	151	226	264	244	231	211	303	252	233	256	361	323	212	173	156	95	78	56
4	22	31	13	50	143	186	235	274	246	230	219	269	227	257	321	356	243	232	145	149	101	65	68
14	37	17	23	60	132	182	265	294	205	198	239	225	268	254	342	333	307	187	167	129	82	73	60

Date: **Thursday, October 3, 2019** Total Daily Volume: **9114** Description: **Northbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
105	149	54	38	49	130	200	390	653	689	515	504	619	565	564	687	890	713	472	359	291	198	165	115
75	93	25	19	3	28	33	79	160	217	111	117	150	146	128	140	217	186	139	110	71	64	50	29
22	19	7	6	4	20	42	93	131	163	153	122	183	145	144	142	232	208	116	94	84	51	45	26
2	11	16	5	18	49	62	95	168	174	141	113	160	133	149	197	221	148	122	61	75	45	29	34
6	26	6	8	24	33	63	123	194	135	110	152	126	141	143	208	220	171	95	94	61	38	41	26

Date: **Thursday, October 3, 2019** Total Daily Volume: **7282** Description: **Southbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
20	52	49	49	109	274	447	569	465	303	330	372	446	425	413	488	512	453	411	334	292	198	144	127
7	11	10	11	17	37	95	154	126	80	75	90	118	97	105	116	135	107	113	98	78	54	43	29
3	19	13	15	24	44	109	133	133	81	78	89	120	107	89	114	129	115	96	79	72	44	33	30
2	11	15	8	32	94	124	140	106	72	89	106	109	94	108	124	135	95	110	84	74	56	36	34
8	11	11	15	36	99	119	142	100	70	88	87	99	127	111	134	113	136	92	73	68	44	32	34

Linscott, Law & Greenspan, Engineers

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Average Daily Traffic

Location: **28th Street, between Boston Avenue and National Avenue**

Date: **Thursday, October 3, 2019** Total Daily Volume: **16173** Description: **Total Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
172	155	113	100	200	406	562	742	921	961	849	883	1019	1011	973	1180	1378	1195	920	724	617	484	353	255
111	63	36	24	31	69	119	180	192	296	181	233	256	253	225	250	368	323	243	207	139	142	105	67
35	33	20	31	37	81	140	177	201	214	243	212	282	251	273	270	358	309	243	192	178	126	87	71
5	35	38	16	76	134	155	176	234	236	212	219	256	242	226	309	337	278	239	159	168	121	73	64
21	24	19	29	56	122	148	209	294	215	213	219	225	265	249	351	315	285	195	166	132	95	88	53

Date: **Thursday, October 3, 2019** Total Daily Volume: **9294** Description: **Northbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
140	97	48	28	46	117	184	418	685	686	544	511	603	596	560	687	843	742	528	397	322	226	177	109
100	44	18	9	4	24	33	86	149	217	116	128	153	149	133	147	192	206	128	122	74	72	50	28
30	18	11	8	3	20	39	94	141	153	167	123	185	155	144	160	210	205	140	110	94	55	40	30
2	18	12	5	22	36	56	103	174	171	130	122	143	146	129	178	220	153	149	74	86	56	37	26
8	17	7	6	17	37	56	135	221	145	131	138	122	146	154	202	221	178	111	91	68	43	50	25

Date: **Thursday, October 3, 2019** Total Daily Volume: **6879** Description: **Southbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
32	58	65	72	154	289	378	324	236	275	305	372	416	415	413	493	535	453	392	327	295	258	176	146
11	19	18	15	27	45	86	94	43	79	65	105	103	104	92	103	176	117	115	85	65	70	55	39
5	15	9	23	34	61	101	83	60	61	76	89	97	96	129	110	148	104	103	82	84	71	47	41
3	17	26	11	54	98	99	73	60	65	82	97	113	96	97	131	117	125	90	85	82	65	36	38
13	7	12	23	39	85	92	74	73	70	82	81	103	119	95	149	94	107	84	75	64	52	38	28

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4542 Ruffner Street, Suite 100, San Diego, CA 92111

Average Daily Traffic

Location: **32nd Street, between Harbor Drive and Norman Scott Road**

Date: **Thursday, October 3, 2019** Total Daily Volume: **27343** Description: **Total Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
172	137	75	97	308	721	1634	1732	1612	1420	1242	1672	1992	1776	1698	2064	2161	2132	1620	1151	732	503	391	301
111	56	23	21	23	120	255	474	430	329	289	396	474	493	414	495	518	530	455	312	223	161	121	89
35	41	19	19	55	156	377	419	411	368	321	367	507	441	410	512	587	553	412	296	192	134	131	73
5	21	17	31	93	198	481	334	399	351	310	430	512	437	425	535	480	573	407	249	164	116	85	93
21	19	16	26	137	247	521	505	372	372	322	479	499	405	449	522	576	476	346	294	153	92	54	46

Date: **Thursday, October 3, 2019** Total Daily Volume: **14414** Description: **Northbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
140	100	49	46	49	111	255	406	584	739	680	1032	1198	960	1095	1423	1544	1430	980	651	354	240	196	152
100	38	16	8	7	19	34	81	108	168	152	250	318	255	235	370	351	361	301	185	110	88	67	41
30	31	13	13	7	27	61	93	137	194	190	219	315	237	248	331	463	376	253	149	87	60	65	35
2	18	10	16	14	25	73	85	142	200	168	275	298	237	300	350	314	390	230	128	69	53	41	56
8	13	10	9	21	40	87	147	197	177	170	288	267	231	312	372	416	303	196	189	88	39	23	20

Date: **Thursday, October 3, 2019** Total Daily Volume: **12929** Description: **Southbound Volume**

0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
32	37	26	51	259	610	1379	1326	1028	681	562	640	794	816	603	641	617	702	640	500	378	263	195	149
11	18	7	13	16	101	221	393	322	161	137	146	156	238	179	125	167	169	154	127	113	73	54	48
5	10	6	6	48	129	316	326	274	174	131	148	192	204	162	181	124	177	159	147	105	74	66	38
3	3	7	15	79	173	408	249	257	151	142	155	214	200	125	185	166	183	177	121	95	63	44	37
13	6	6	17	116	207	434	358	175	195	152	191	232	174	137	150	160	173	150	105	65	53	31	26

APPENDIX D

CUMULATIVE PROJECTS EXCERPTS

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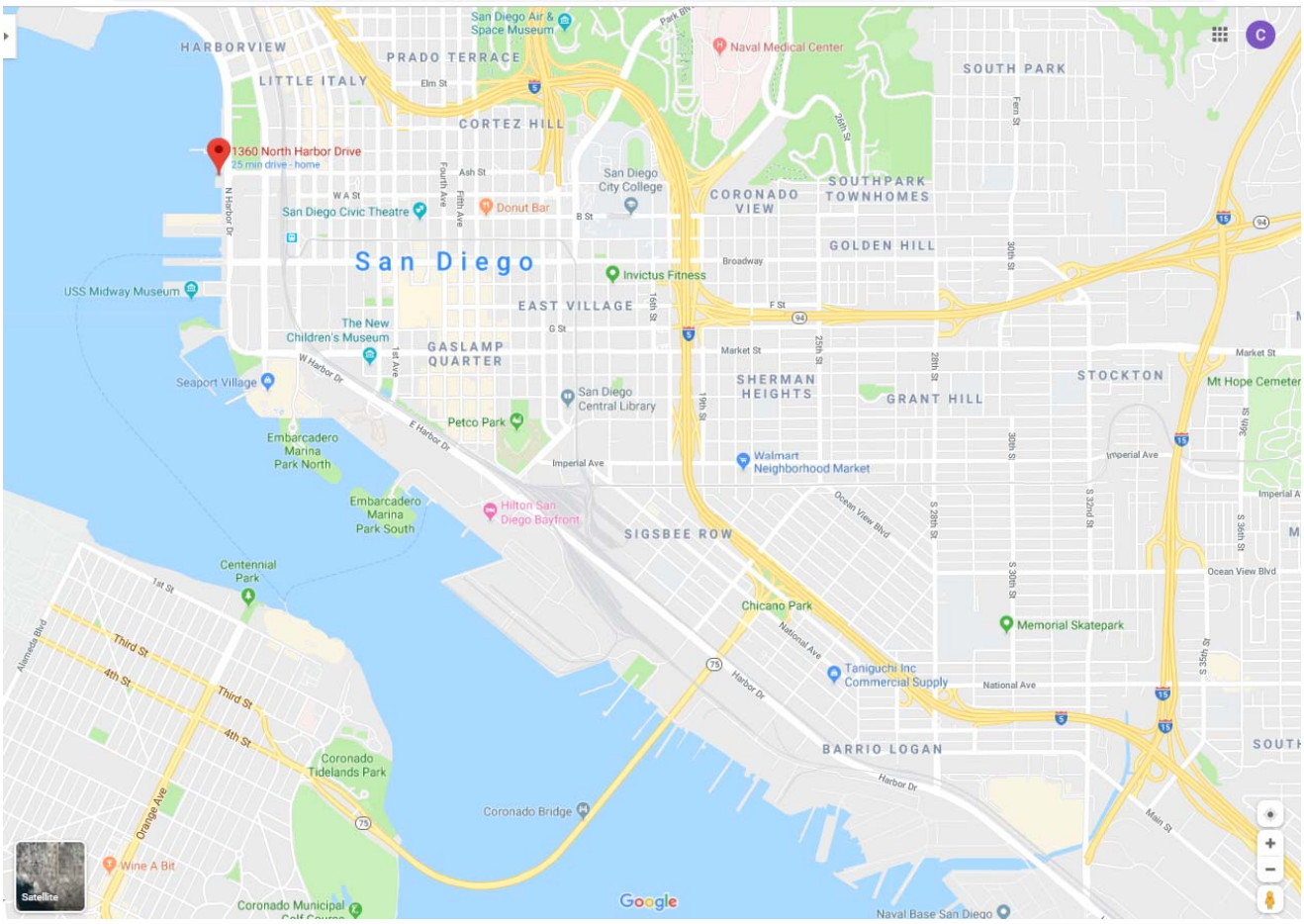
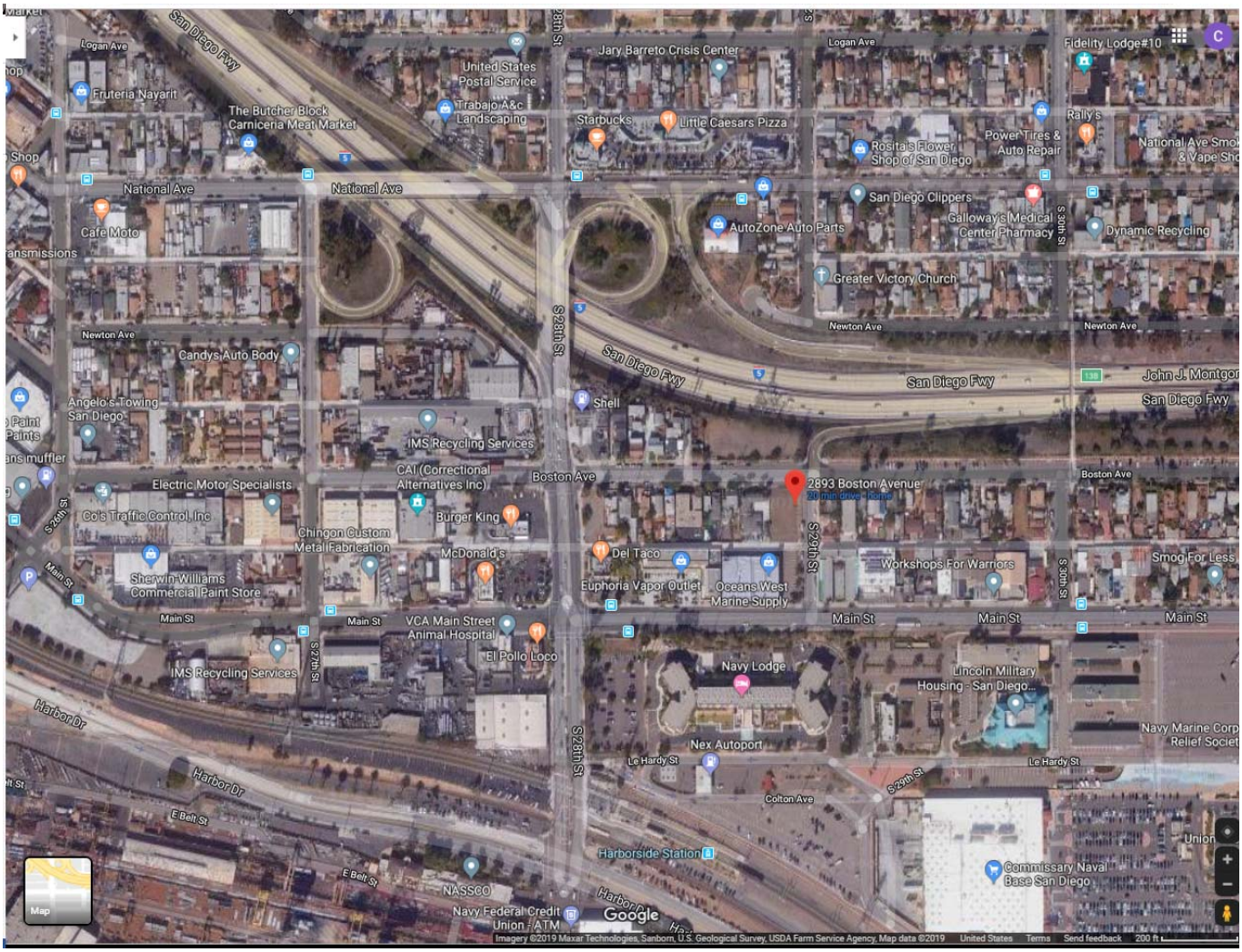


Portside Pier Restaurant
Project Development: 13,202 Net Increase in Restaurant
To be removed: (Under Construction)

PROJECT TRIP GENERATION

Land Use	Size	Daily Trip Ends (ADTs)		AM Peak Hour				PM Peak Hour			
		Rate[a]	Volume	% of ADT	In:Out Split	Volume In	Volume Out	% of ADT	In:Out Split	Volume In	Volume Out
Restaurant	13,202 SF	27/ksf	356	8%	5:5	14	14	8%	6:4	17	11

Footnotes:
a. Rate is based on City of San Diego's Trip Generation Rate Summary Table.

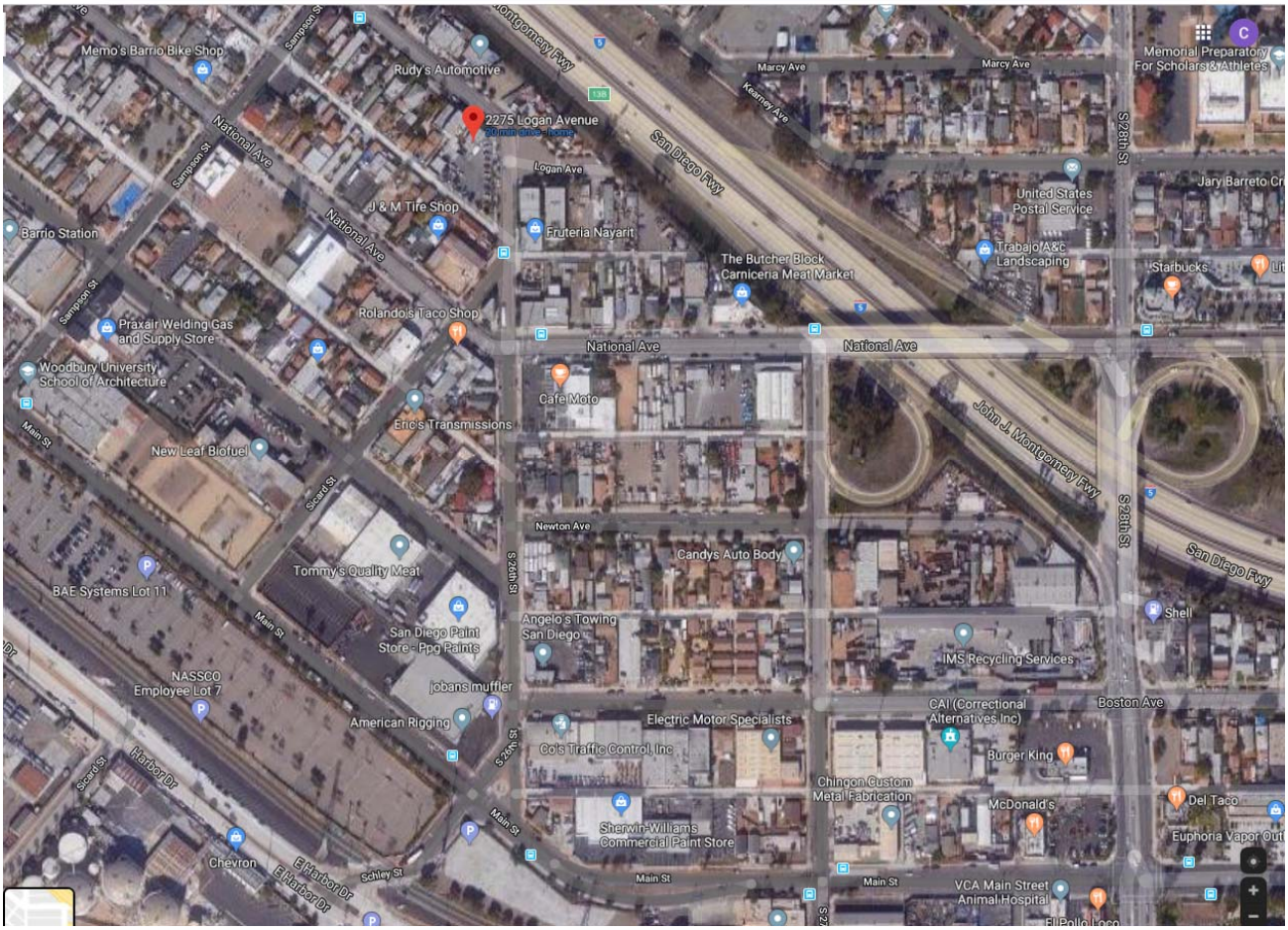


Boston Commons
Project Development: 5 Affordable MFDU's
To be removed: (Vacant)

PROJECT TRIP GENERATION

Land Use	Size	Daily Trip Ends (ADTs)		AM Peak Hour				PM Peak Hour			
		Rate[a]	Volume	% of ADT	In:Out Split	Volume In	Volume Out	% of ADT	In:Out Split	Volume In	Volume Out
Apartment	5 DU	6/DU	30	8%	2:8	0	2	9%	7:3	2	1

Footnotes:
a. Rate is based on City of San Diego's Trip Generation Rate Summary Table.



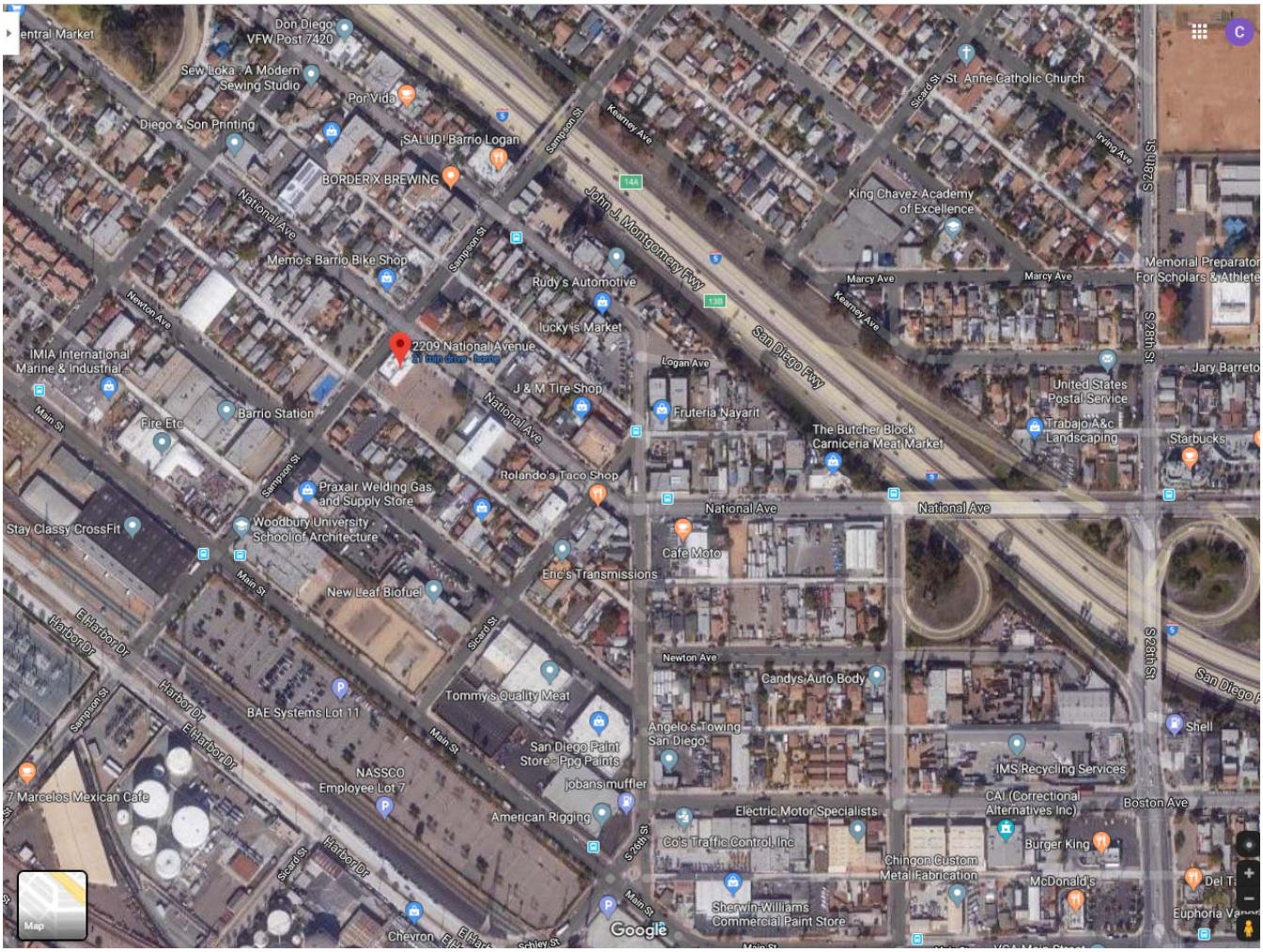
Barrio Flats
Project Development: 24 MFDU's, 10 hotel rooms, 5ksf retail (assumed)
To be removed: 3ksf Specialty Retail, 830 sf Car Dealer

PROJECT TRIP GENERATION

Land Use	Size	Daily Trip Ends (ADTs)		AM Peak Hour				PM Peak Hour			
		Rate[a]	Volume	% of ADT	In:Out Split	Volume In	Volume Out	% of ADT	In:Out Split	Volume In	Volume Out
Apartment	24 DU	6/DU	144	8%	2:8	2	10	9%	7:3	9	4
Hotel	10 Keys	9/Key	90	8%	4:6	3	4	9%	4:6	3	5
Specialty Retail	5 Ksf	40/Ksf	200	3%	6:4	4	2	9%	5:5	9	9
Subtotal:	–	–	***434***	–	–	***9***	***16***	–	–	***21***	***18***
(To Be Removed:)											
Specialty Retail	3 Ksf	40/Ksf	120	3%	6:4	2	2	9%	5:5	6	5
Car Dealer	830 Sf	50/Ksf	42	5%	7:3	1	1	8%	4:6	1	2
Subtotal:	–	–	***162***	–	–	***3***	***3***	–	–	***7***	***7***
Net Site Total		—	**272**	—	—	**6**	**13**	—	—	**14**	**11**

Footnotes:

a. Rate is based on City of San Diego's Trip Generation Rate Summary Table.

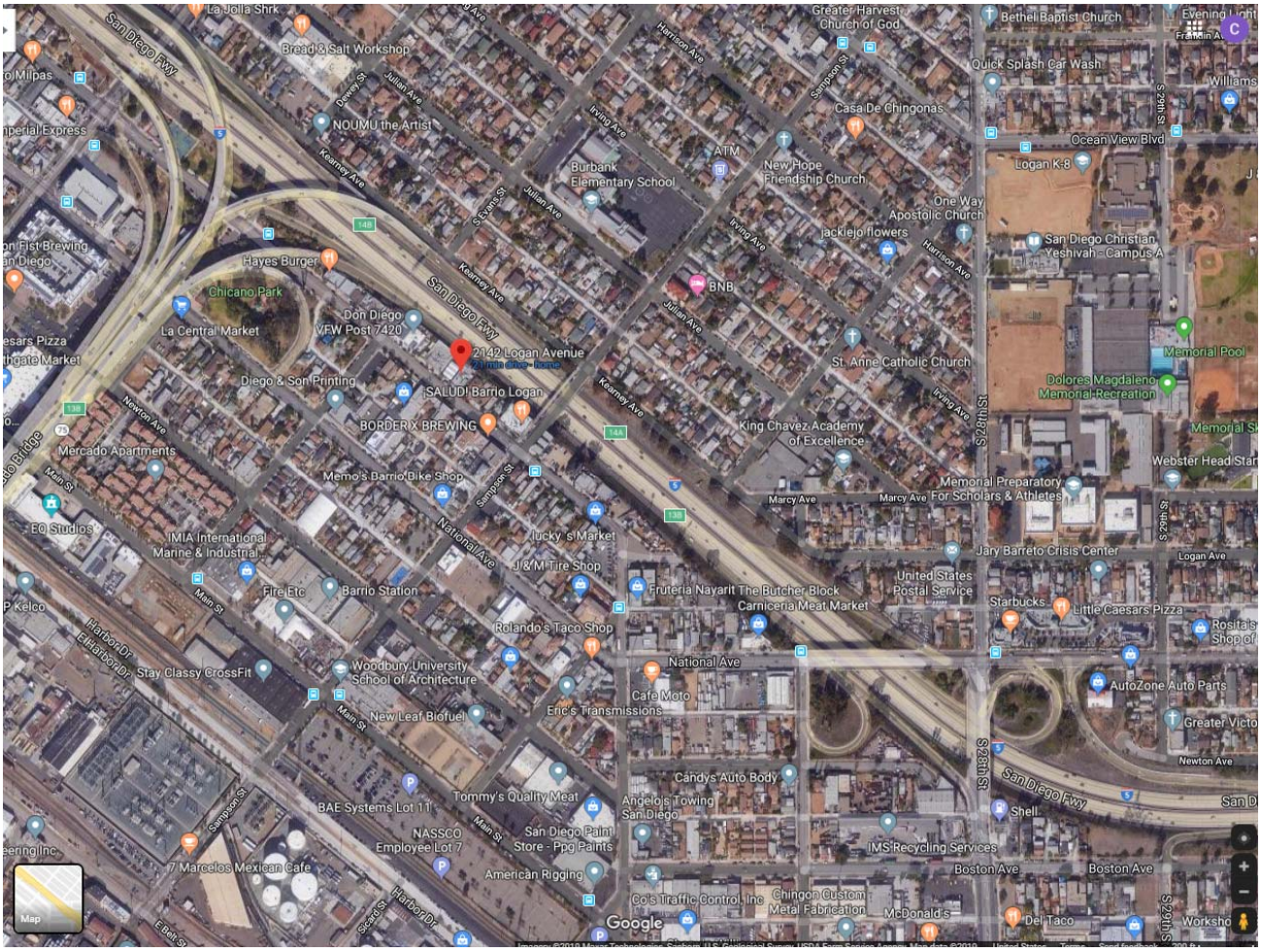


U-Stor-It
Project Development: 68,787 SF Storage
To be removed: (Vacant)

PROJECT TRIP GENERATION

Land Use	Size	Daily Trip Ends (ADTs)		AM Peak Hour				PM Peak Hour			
		Rate[a]	Volume	% of ADT	In:Out Split	Volume In	Volume Out	% of ADT	In:Out Split	Volume In	Volume Out
Rental Storage	68,787 Ksf	2/Ksf	138	6%	5:5	4	4	9%	5:5	6	6

Footnotes:
a. Rate is based on City of San Diego's Trip Generation Rate Summary Table.

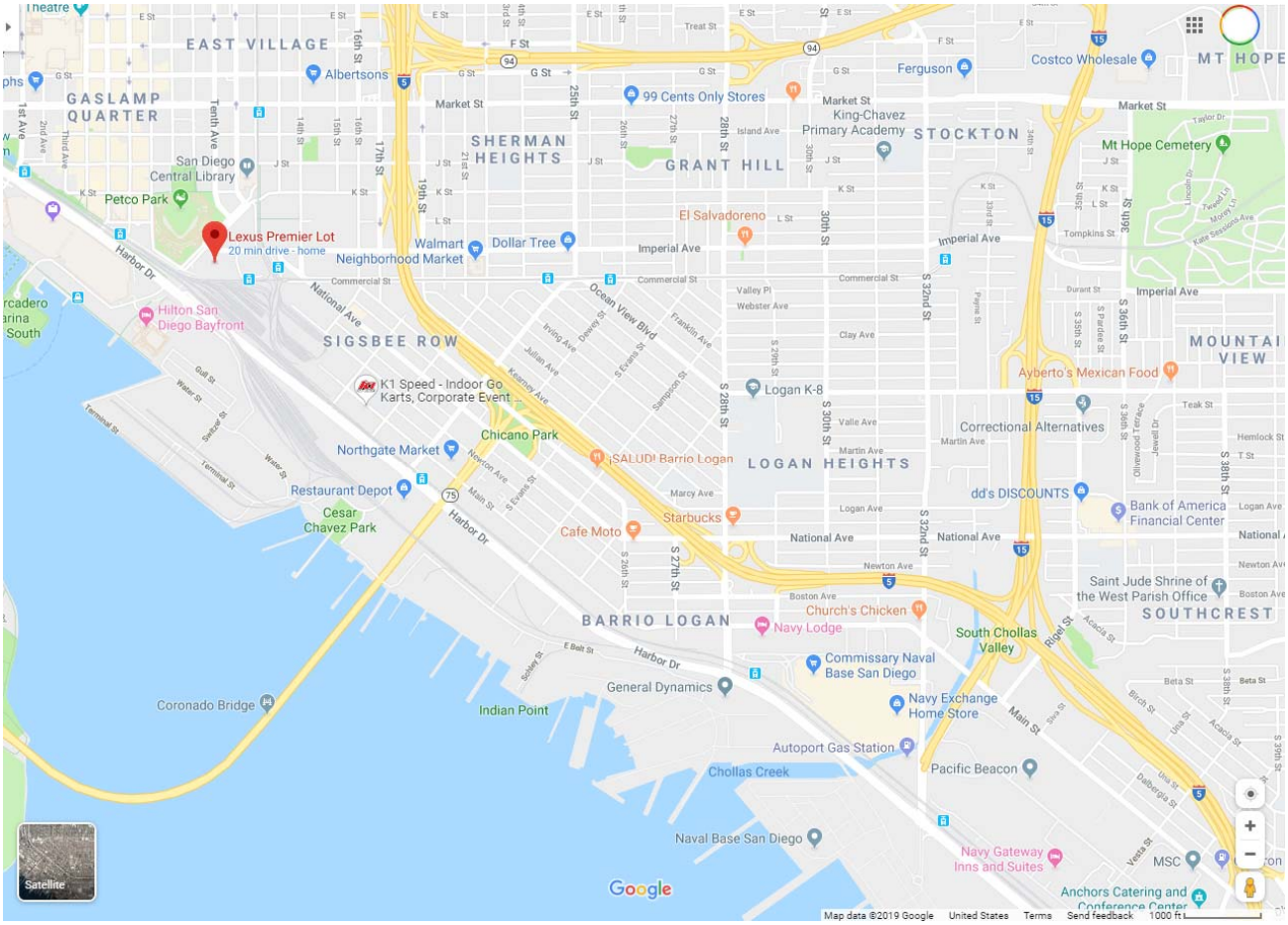


2142 Logan Avenue
Project Development: Artists Studios, Retail, Office and Gallery (3,600 SF est.)
To be removed: Specialty Retail (3,600 SF est.)

PROJECT TRIP GENERATION

Land Use	Size	Daily Trip Ends (ADTs)		AM Peak Hour				PM Peak Hour			
		Rate[a]	Volume	% of ADT	In:Out Split	Volume In	Volume Out	% of ADT	In:Out Split	Volume In	Volume Out
Specialty Retail	3,600 Sf	40/Ksf	144	3%	6:4	2	2	9%	5:5	8	7
Subtotal:	–	–	***144***	–	–	***2***	***2***	–	–	***8***	***7***
Specialty Retail	3,600 Sf	40/Ksf	144	3%	6:4	2	2	9%	5:5	8	7
Subtotal:	–	–	***144***	–	–	***2***	***2***	–	–	***8***	***7***
Net Site Total		—	**0**	—	—	**0**	**0**	—	—	**0**	**0**

Footnotes:
a. Rate is based on City of San Diego's Trip Generation Rate Summary Table.

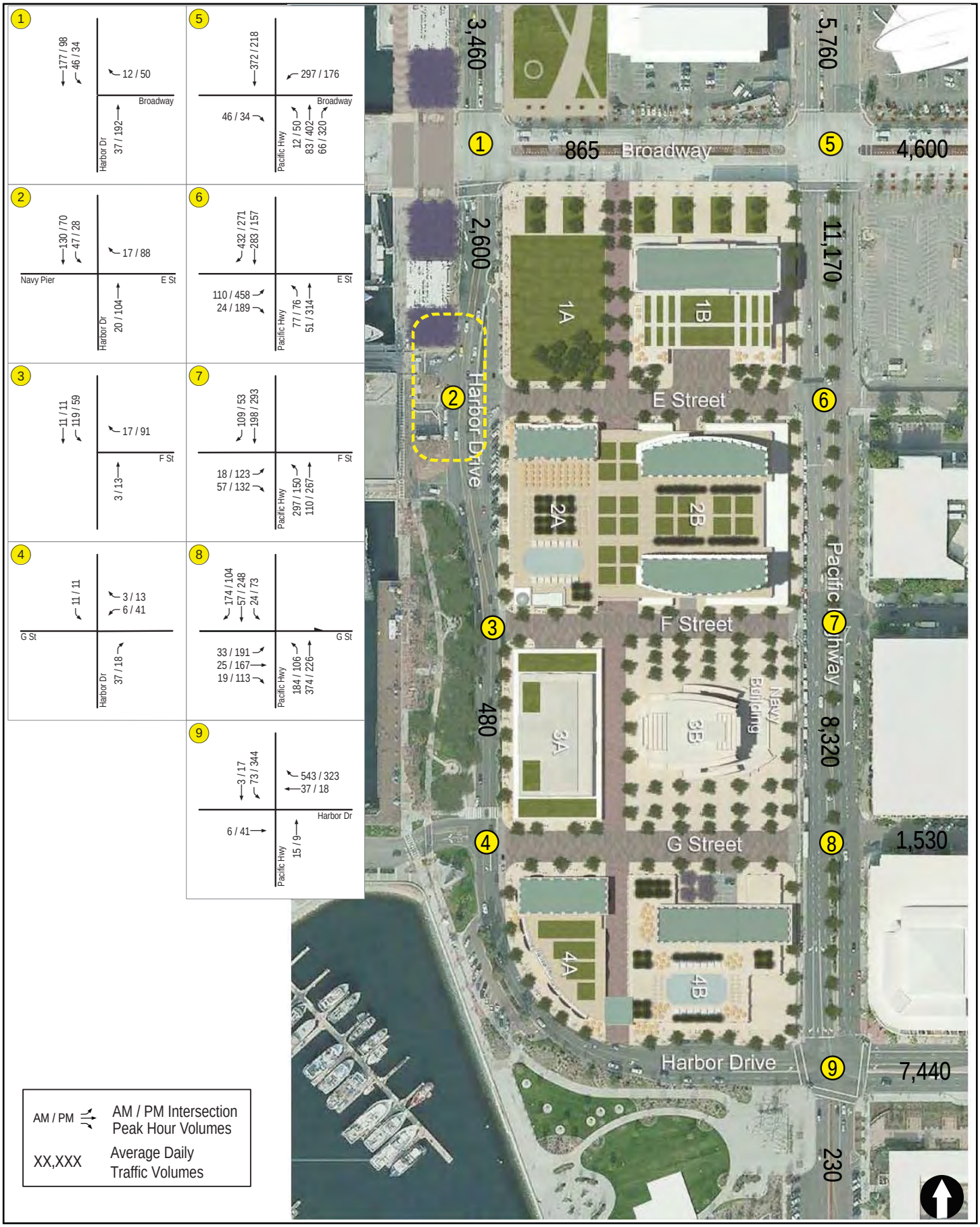


Ballpark Village Parcel D
Project Development: 1,800-room hotel
To be removed: Surface parking

PROJECT TRIP GENERATION

Land Use	Size	Daily Trip Ends (ADTs)		AM Peak Hour				PM Peak Hour			
		Rate[a]	Volume	% of ADT	In:Out Split	Volume In	Volume Out	% of ADT	In:Out Split	Volume In	Volume Out
Hotel	1,800 rooms	4/room	7,200	6%	6:4	259	173	8%	6:4	346	230
Net Site Total		—	**7,200**	—	—	**259**	**173**	—	—	**346**	**230**

Footnotes:
a. Rate is based on City of San Diego's Trip Generation Rate Summary Table.



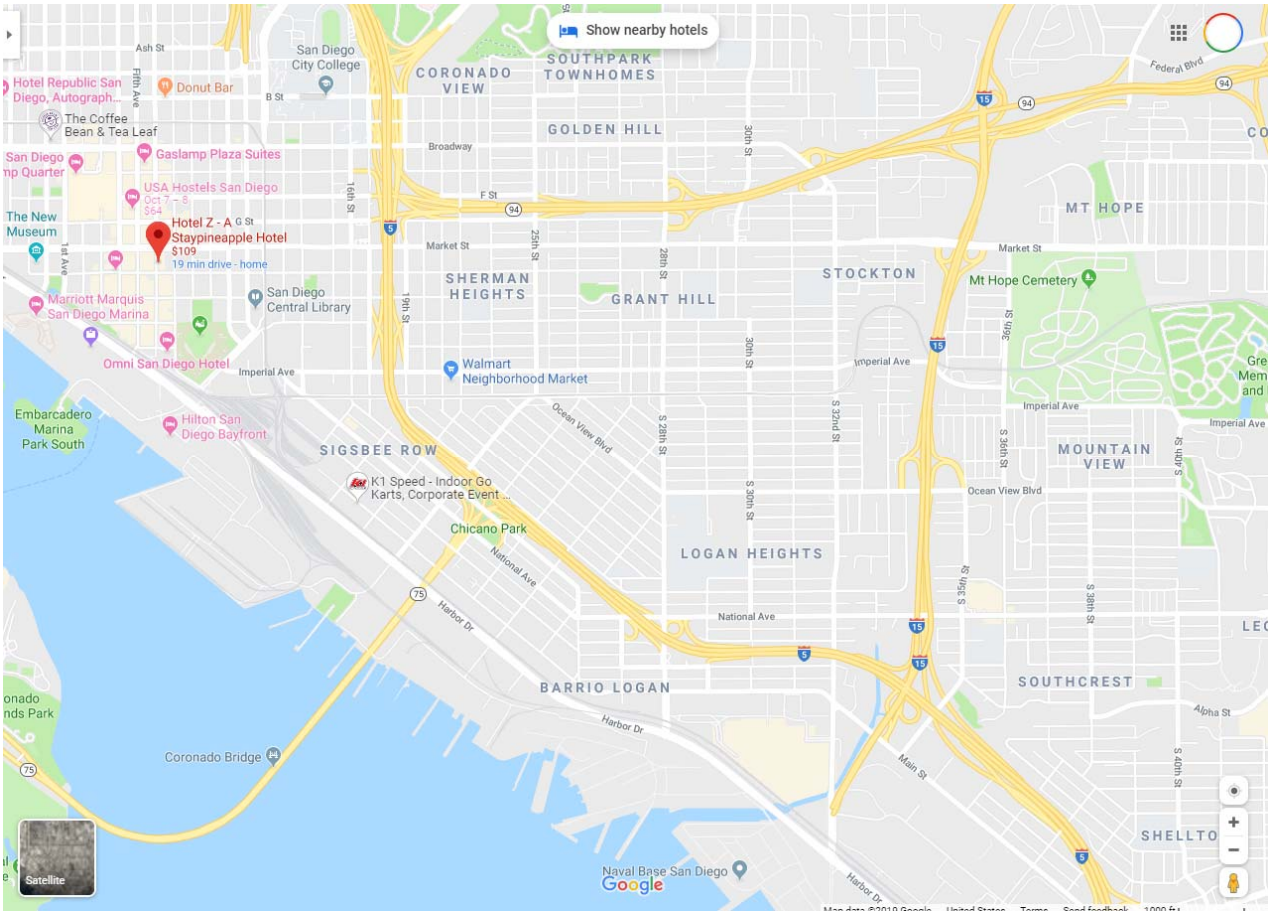
LINSCOTT LAW & GREENSPAN engineers

N:\2568\Figures
Date: 03/23/16

Figure 6-2

Project Traffic Volumes

MANCHESTER PACIFIC GATEWAY

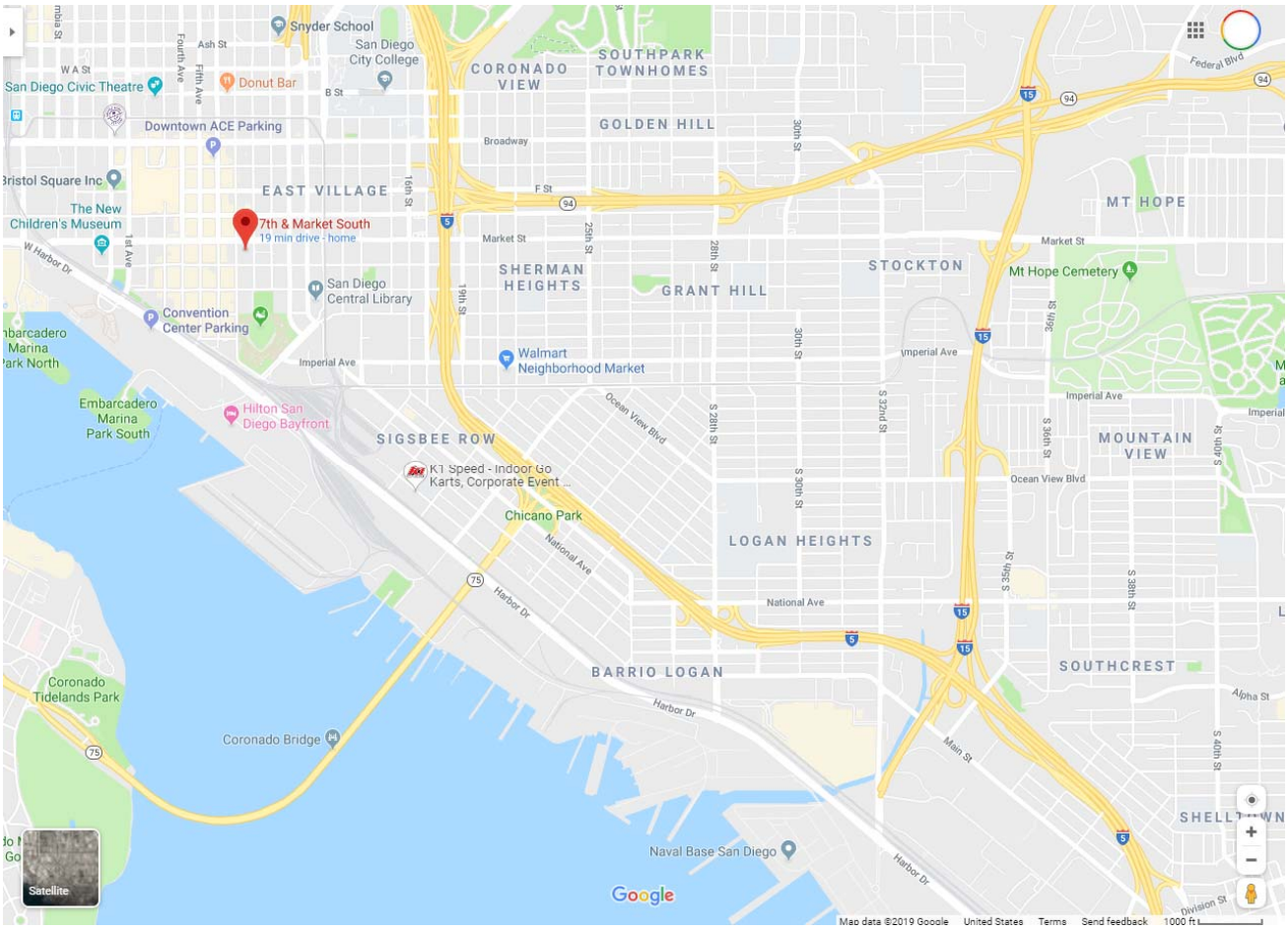


7th and Island
Project Development: 324-room hotel
To be removed: N/A

PROJECT TRIP GENERATION

Land Use	Size	Daily Trip Ends (ADTs)		AM Peak Hour				PM Peak Hour			
		Rate[a]	Volume	% of ADT	In:Out Split	Volume In	Volume Out	% of ADT	In:Out Split	Volume In	Volume Out
Hotel	324 rooms	4/room	1,296	6%	6:4	47	31	8%	6:4	62	42
Net Site Total		—	**1,296**	—	—	**47**	**31**	—	—	**62**	**42**

Footnotes:
a. Rate is based on City of San Diego's Trip Generation Rate Summary Table.



7th and Market

Project Development: 125 apartments (34 affordable), 59 condominiums, 53 SRO units, 153-room hotel, 155,000 square feet of office, and 39,000 square feet of retail

To be removed: N/A

PROJECT TRIP GENERATION

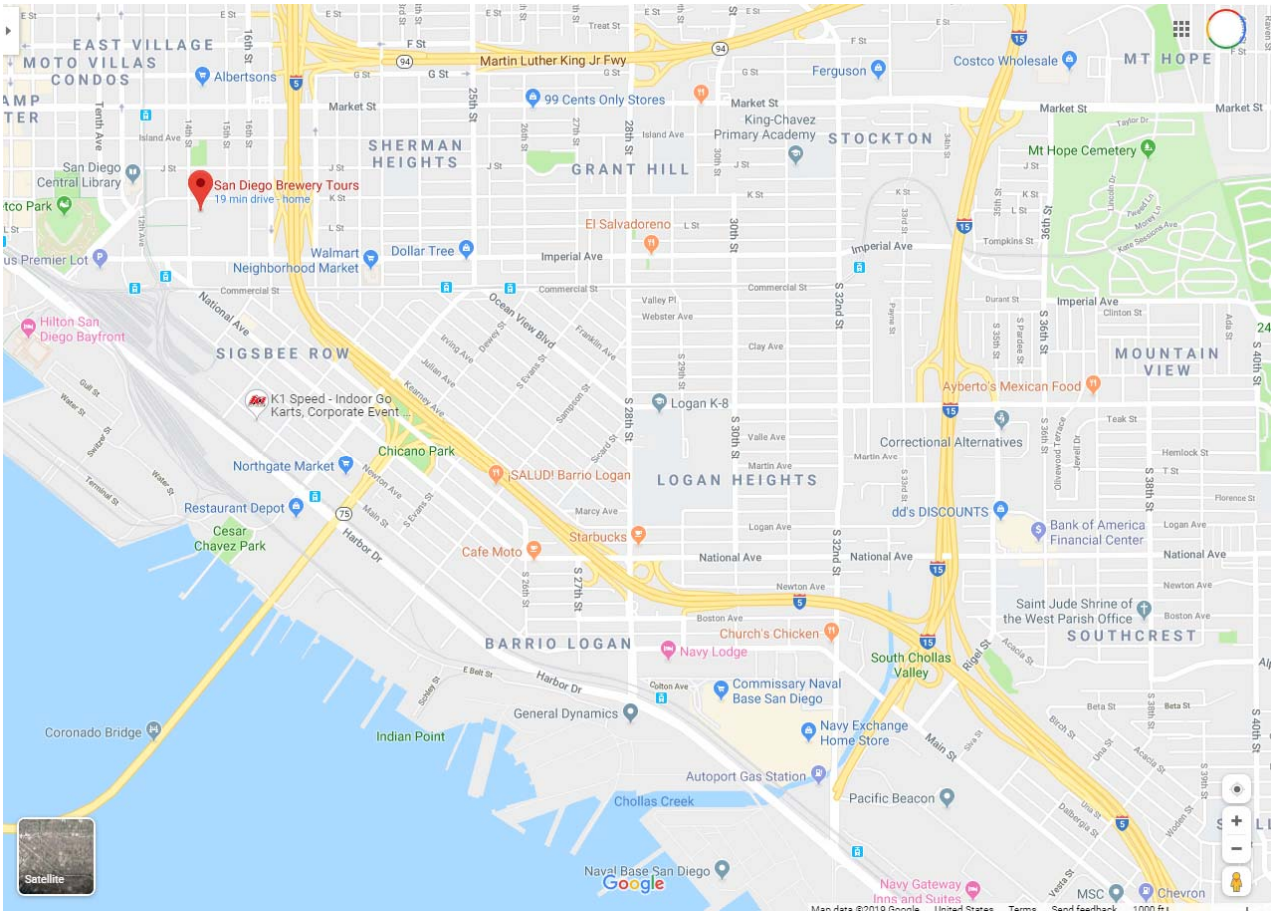
Land Use	Size	Daily Trip Ends (ADTs)		AM Peak Hour				PM Peak Hour			
		Rate[a]	Volume	% of ADT	In:Out Split	Volume In	Volume Out	% of ADT	In:Out Split	Volume In	Volume Out
Apartment/ Condominium / SRO [b]	237	4/DU	948	8%	2:8	15	61	9%	7:3	60	25
Hotel	153 rooms	9/room	1,377	6%	6:4	50	33	8%	6:4	66	44
Office	155 KSF	[c]	1,905	13%	9:1	223	25	14%	2:8	53	214
Specialty Retail	39 KSF	40/KSF	1,560	3%	6:4	28	19	9%	5:5	70	70
Net Site Total		**—**	**5,790**	**—**	**—**	**316**	**138**	**—**	**—**	**249**	**353**

Footnotes:

a. Rate is based on City of San Diego's Trip Generation Rate Summary Table.

b. Multiple Dwelling Unit >20 DU per acre.

c. Log Rate: 0.81 [Ln(T) = 0.756 Ln(x) + 3.95]



Modera San Diego
Project Development: 383 apartments
To be removed: N/A

PROJECT TRIP GENERATION

Land Use	Size	Daily Trip Ends (ADTs)		AM Peak Hour				PM Peak Hour			
		Rate[a]	Volume	% of ADT	In:Out Split	Volume In	Volume Out	% of ADT	In:Out Split	Volume In	Volume Out
Apartment [b]	383	4/DU	1,532	8%	2:8	25	98	9%	7:3	97	41
Net Site Total		—	**1,532**	—	—	**25**	**98**	—	—	**97**	**41**

Footnotes:
a. Rate is based on City of San Diego's Trip Generation Rate Summary Table.
b. Multiple Dwelling Unit >20 DU per acre.

APPENDIX E

SUPPLEMENTAL YEAR 2019 BASELINE HCM INTERSECTION CALCULATION SHEETS

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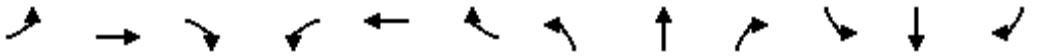


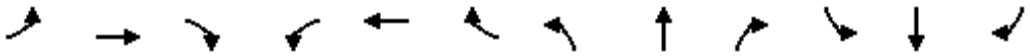
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	146	115	25	79	843	89	2	68	14	34	84	296
Future Volume (veh/h)	146	115	25	79	843	89	2	68	14	34	84	296
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.98	1.00		0.97	0.98		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	164	129	28	89	947	100	2	76	16	38	94	333
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	204	1260	265	115	1245	131	328	433	91	171	389	451
Arrive On Green	0.11	0.43	0.43	0.06	0.38	0.38	0.29	0.29	0.29	0.29	0.29	0.29
Sat Flow, veh/h	1781	2898	609	1781	3236	342	957	1488	313	366	1337	1550
Grp Volume(v), veh/h	164	77	80	89	520	527	2	0	92	132	0	333
Grp Sat Flow(s),veh/h/ln	1781	1777	1730	1781	1777	1801	957	0	1802	1703	0	1550
Q Serve(g_s), s	6.4	1.8	1.9	3.5	18.2	18.2	0.1	0.0	2.7	0.0	0.0	13.9
Cycle Q Clear(g_c), s	6.4	1.8	1.9	3.5	18.2	18.2	4.0	0.0	2.7	3.8	0.0	13.9
Prop In Lane	1.00		0.35	1.00		0.19	1.00		0.17	0.29		1.00
Lane Grp Cap(c), veh/h	204	772	752	115	683	693	328	0	524	560	0	451
V/C Ratio(X)	0.80	0.10	0.11	0.78	0.76	0.76	0.01	0.00	0.18	0.24	0.00	0.74
Avail Cap(c_a), veh/h	339	978	952	264	908	920	519	0	885	892	0	762
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	30.8	11.9	12.0	32.9	19.1	19.1	20.8	0.0	18.9	19.3	0.0	22.9
Incr Delay (d2), s/veh	2.8	0.0	0.0	4.2	2.9	2.9	0.0	0.0	0.1	0.1	0.0	0.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.8	0.7	0.7	1.6	7.4	7.5	0.0	0.0	1.1	1.6	0.0	4.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	33.6	12.0	12.0	37.1	22.1	22.0	20.8	0.0	19.0	19.4	0.0	23.8
LnGrp LOS	C	B	B	D	C	C	C	A	B	B	A	C
Approach Vol, veh/h		321			1136			94			465	
Approach Delay, s/veh		23.1			23.2			19.0			22.5	
Approach LOS		C			C			B			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.0	36.7		25.7	12.6	33.2		25.7				
Change Period (Y+Rc), s	4.4	5.7		4.9	4.4	* 5.7		4.9				
Max Green Setting (Gmax), s	10.6	39.3		35.1	13.6	* 37		35.1				
Max Q Clear Time (g_c+I1), s	5.5	3.9		15.9	8.4	20.2		6.0				
Green Ext Time (p_c), s	0.0	0.8		1.1	0.1	7.3		0.3				

Intersection Summary			
HCM 6th Ctrl Delay		22.8	
HCM 6th LOS		C	

Notes

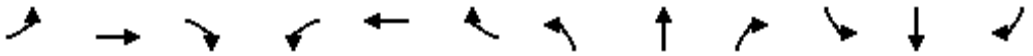
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	13	110	15	72	919	26	14	36	50	9	51	69
Future Volume (veh/h)	13	110	15	72	919	26	14	36	50	9	51	69
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		0.82	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	14	118	16	77	988	28	15	39	54	10	55	74
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	23	906	121	99	1166	33	65	169	233	17	95	128
Arrive On Green	0.01	0.29	0.29	0.06	0.33	0.33	0.31	0.31	0.31	0.15	0.15	0.15
Sat Flow, veh/h	1781	3149	419	1781	3529	100	212	552	764	119	654	880
Grp Volume(v), veh/h	14	66	68	77	497	519	108	0	0	139	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1791	1781	1777	1852	1528	0	0	1652	0	0
Q Serve(g_s), s	0.7	2.6	2.7	4.0	24.6	24.6	5.0	0.0	0.0	7.4	0.0	0.0
Cycle Q Clear(g_c), s	0.7	2.6	2.7	4.0	24.6	24.6	5.0	0.0	0.0	7.4	0.0	0.0
Prop In Lane	1.00		0.23	1.00		0.05	0.14		0.50	0.07		0.53
Lane Grp Cap(c), veh/h	23	511	515	99	587	612	467	0	0	241	0	0
V/C Ratio(X)	0.60	0.13	0.13	0.78	0.85	0.85	0.23	0.00	0.00	0.58	0.00	0.00
Avail Cap(c_a), veh/h	98	517	522	224	643	671	503	0	0	527	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	46.4	24.9	24.9	44.0	29.4	29.4	24.5	0.0	0.0	37.6	0.0	0.0
Incr Delay (d2), s/veh	9.0	0.2	0.2	4.8	10.1	9.8	0.1	0.0	0.0	0.8	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	1.1	1.1	1.9	11.8	12.2	1.8	0.0	0.0	3.0	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	55.4	25.0	25.1	48.8	39.5	39.2	24.6	0.0	0.0	38.4	0.0	0.0
LnGrp LOS	E	C	C	D	D	D	C	A	A	D	A	A
Approach Vol, veh/h		148			1093			108			139	
Approach Delay, s/veh		27.9			40.0			24.6			38.4	
Approach LOS		C			D			C			D	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.7	32.4		18.7	5.6	36.4		33.7				
Change Period (Y+Rc), s	4.4	5.2		4.9	4.4	5.2		4.9				
Max Green Setting (Gmax), s	11.9	27.5		30.1	5.2	34.2		31.1				
Max Q Clear Time (g_c+I1), s	6.0	4.7		9.4	2.7	26.6		7.0				
Green Ext Time (p_c), s	0.0	0.9		0.5	0.0	4.6		0.4				

Intersection Summary			
HCM 6th Ctrl Delay		37.5	
HCM 6th LOS		D	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	44	82	29	95	505	568	38	115	18	234	378	49
Future Volume (veh/h)	44	82	29	95	505	568	38	115	18	234	378	49
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.97	1.00		0.90	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1796	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	46	86	31	100	532	598	40	121	19	246	398	52
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	237	981	333	557	1355	815	55	790	120	292	1240	161
Arrive On Green	0.38	0.38	0.38	0.38	0.38	0.38	0.03	0.26	0.26	0.16	0.39	0.39
Sat Flow, veh/h	497	2572	874	1270	3554	1483	1781	3042	462	1781	3157	410
Grp Volume(v), veh/h	46	58	59	100	532	598	40	69	71	246	223	227
Grp Sat Flow(s),veh/h/ln	497	1777	1670	1270	1777	1483	1781	1777	1727	1781	1777	1790
Q Serve(g_s), s	5.3	1.5	1.6	3.9	7.8	21.9	1.6	2.1	2.3	9.5	6.2	6.3
Cycle Q Clear(g_c), s	13.0	1.5	1.6	5.5	7.8	21.9	1.6	2.1	2.3	9.5	6.2	6.3
Prop In Lane	1.00		0.52	1.00		1.00	1.00		0.27	1.00		0.23
Lane Grp Cap(c), veh/h	237	678	637	557	1355	815	55	461	448	292	698	703
V/C Ratio(X)	0.19	0.09	0.09	0.18	0.39	0.73	0.73	0.15	0.16	0.84	0.32	0.32
Avail Cap(c_a), veh/h	263	773	727	625	1547	895	263	661	643	475	863	869
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	20.8	14.1	14.1	15.9	16.0	12.3	34.2	20.3	20.4	28.9	15.0	15.0
Incr Delay (d2), s/veh	0.1	0.0	0.0	0.1	0.1	2.3	6.8	0.5	0.5	3.5	0.3	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.6	0.6	1.1	2.9	6.6	0.8	0.9	0.9	4.2	2.4	2.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	20.9	14.1	14.2	16.0	16.1	14.7	41.0	20.8	20.9	32.4	15.4	15.4
LnGrp LOS	C	B	B	B	B	B	D	C	C	C	B	B
Approach Vol, veh/h		163			1230			180			696	
Approach Delay, s/veh		16.0			15.4			25.3			21.4	
Approach LOS		B			B			C			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	15.7	23.3		32.3	6.2	32.8		32.3				
Change Period (Y+Rc), s	4.0	* 4.8		5.1	4.0	* 4.8		5.1				
Max Green Setting (Gmax), s	19.0	* 27		31.0	10.5	* 35		31.0				
Max Q Clear Time (g_c+I1), s	11.5	4.3		15.0	3.6	8.3		23.9				
Green Ext Time (p_c), s	0.2	1.5		0.7	0.0	3.8		2.6				

Intersection Summary			
HCM 6th Ctrl Delay		18.1	
HCM 6th LOS		B	

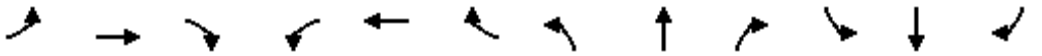
Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	97	205	30	59	562	57	96	94	39	23	132	328
Future Volume (veh/h)	97	205	30	59	562	57	96	94	39	23	132	328
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.95	0.98		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	105	223	33	64	611	62	104	102	42	25	143	357
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	133	1358	198	82	682	69	206	390	161	59	165	379
Arrive On Green	0.07	0.44	0.44	0.05	0.41	0.41	0.35	0.35	0.35	0.35	0.35	0.35
Sat Flow, veh/h	1781	3104	452	1781	1667	169	347	1125	463	40	474	1093
Grp Volume(v), veh/h	105	126	130	64	0	673	104	0	144	525	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1779	1781	0	1837	347	0	1588	1607	0	0
Q Serve(g_s), s	4.9	3.6	3.7	3.0	0.0	28.7	0.8	0.0	5.5	12.8	0.0	0.0
Cycle Q Clear(g_c), s	4.9	3.6	3.7	3.0	0.0	28.7	27.4	0.0	5.5	26.6	0.0	0.0
Prop In Lane	1.00		0.25	1.00		0.09	1.00		0.29	0.05		0.68
Lane Grp Cap(c), veh/h	133	778	778	82	0	751	206	0	551	602	0	0
V/C Ratio(X)	0.79	0.16	0.17	0.78	0.00	0.90	0.50	0.00	0.26	0.87	0.00	0.00
Avail Cap(c_a), veh/h	161	778	778	217	0	856	206	0	551	602	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	38.2	14.3	14.3	39.6	0.0	23.1	27.6	0.0	19.7	26.5	0.0	0.0
Incr Delay (d2), s/veh	15.4	0.1	0.1	5.8	0.0	11.5	0.8	0.0	0.1	12.7	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.7	1.4	1.4	1.4	0.0	14.0	2.0	0.0	2.0	11.7	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	53.6	14.4	14.4	45.4	0.0	34.6	28.3	0.0	19.8	39.2	0.0	0.0
LnGrp LOS	D	B	B	D	A	C	C	A	B	D	A	A
Approach Vol, veh/h		361			737			248			525	
Approach Delay, s/veh		25.8			35.6			23.4			39.2	
Approach LOS		C			D			C			D	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	8.3	41.6		34.0	10.7	39.2		34.0				
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9				
Max Green Setting (Gmax), s	10.2	36.5		29.1	7.6	39.1		29.1				
Max Q Clear Time (g_c+I1), s	5.0	5.7		28.6	6.9	30.7		29.4				
Green Ext Time (p_c), s	0.0	1.4		0.2	0.0	3.6		0.0				

Intersection Summary			
HCM 6th Ctrl Delay		33.1	
HCM 6th LOS		C	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	72	228	118	137	980	341	0	0	74	121	519	124
Future Volume (veh/h)	72	228	118	137	980	341	0	0	74	121	519	124
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	77	243	126	146	1043	363	0	0	0	129	552	132
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	98	1295	446	187	1473	648	3	287		167	894	480
Arrive On Green	0.05	0.36	0.36	0.11	0.41	0.41	0.00	0.00	0.00	0.09	0.25	0.25
Sat Flow, veh/h	1781	3554	1560	1781	3554	1562	1781	3554	1585	1781	3554	1562
Grp Volume(v), veh/h	77	243	126	146	1043	363	0	0	0	129	552	132
Grp Sat Flow(s),veh/h/ln	1781	1777	1560	1781	1777	1562	1781	1777	1585	1781	1777	1562
Q Serve(g_s), s	2.4	2.7	8.0	4.6	13.9	10.1	0.0	0.0	0.0	4.0	7.8	3.7
Cycle Q Clear(g_c), s	2.4	2.7	8.0	4.6	13.9	10.1	0.0	0.0	0.0	4.0	7.8	3.7
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	98	1295	446	187	1473	648	3	287		167	894	480
V/C Ratio(X)	0.79	0.19	0.28	0.78	0.71	0.56	0.00	0.00		0.77	0.62	0.27
Avail Cap(c_a), veh/h	175	1295	446	409	1645	723	162	1190		269	1402	703
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	26.6	12.4	57.3	24.9	13.8	12.7	0.0	0.0	0.0	25.2	18.9	15.0
Incr Delay (d2), s/veh	5.2	0.1	0.5	2.7	1.5	1.2	0.0	0.0	0.0	10.2	1.0	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	1.0	3.2	1.9	5.0	3.2	0.0	0.0	0.0	2.1	3.1	1.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	31.8	12.5	57.8	27.5	15.4	13.9	0.0	0.0	0.0	35.5	19.9	15.4
LnGrp LOS	C	B	E	C	B	B	A	A		D	B	B
Approach Vol, veh/h		446			1552			0	A		813	
Approach Delay, s/veh		28.6			16.2			0.0			21.6	
Approach LOS		C			B						C	

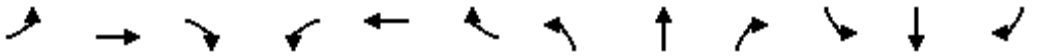
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.7	9.5	10.4	27.4	0.0	19.3	7.5	30.2
Change Period (Y+Rc), s	4.4	4.9	4.4	* 6.6	4.4	4.9	4.4	6.6
Max Green Setting (Gmax), s	8.6	19.1	13.1	* 19	5.2	22.5	5.6	26.4
Max Q Clear Time (g_c+I1), s	6.0	0.0	6.6	10.0	0.0	9.8	4.4	15.9
Green Ext Time (p_c), s	0.1	0.0	0.1	1.9	0.0	4.5	0.0	7.8

Intersection Summary	
HCM 6th Ctrl Delay	19.7
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.



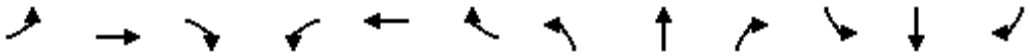
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	375	953	10	23	130	30	12	168	44	36	74	144
Future Volume (veh/h)	375	953	10	23	130	30	12	168	44	36	74	144
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		0.95	0.99		0.90	0.94		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	408	1036	11	25	141	33	13	183	48	39	80	157
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	454	1362	14	39	414	94	428	530	139	212	403	589
Arrive On Green	0.26	0.38	0.38	0.02	0.15	0.15	0.38	0.38	0.38	0.38	0.38	0.38
Sat Flow, veh/h	1781	3600	38	1781	2847	643	1136	1390	365	373	1057	1546
Grp Volume(v), veh/h	408	511	536	25	86	88	13	0	231	119	0	157
Grp Sat Flow(s),veh/h/ln	1781	1777	1861	1781	1777	1713	1136	0	1755	1430	0	1546
Q Serve(g_s), s	15.2	17.3	17.3	1.0	3.0	3.2	0.6	0.0	6.4	0.2	0.0	4.8
Cycle Q Clear(g_c), s	15.2	17.3	17.3	1.0	3.0	3.2	7.2	0.0	6.4	6.6	0.0	4.8
Prop In Lane	1.00		0.02	1.00		0.38	1.00		0.21	0.33		1.00
Lane Grp Cap(c), veh/h	454	672	704	39	258	249	428	0	669	615	0	589
V/C Ratio(X)	0.90	0.76	0.76	0.64	0.33	0.35	0.03	0.00	0.35	0.19	0.00	0.27
Avail Cap(c_a), veh/h	562	1145	1200	148	737	710	573	0	894	808	0	787
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	24.7	18.6	18.6	33.3	26.4	26.5	17.8	0.0	15.2	14.1	0.0	14.6
Incr Delay (d2), s/veh	13.4	1.5	1.4	6.2	0.9	1.0	0.0	0.0	0.1	0.1	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.7	6.7	7.0	0.5	1.3	1.3	0.1	0.0	2.4	1.1	0.0	1.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	38.1	20.1	20.0	39.5	27.2	27.4	17.8	0.0	15.3	14.2	0.0	14.7
LnGrp LOS	D	C	C	D	C	C	B	A	B	B	A	B
Approach Vol, veh/h		1455			199			244			276	
Approach Delay, s/veh		25.1			28.9			15.4			14.5	
Approach LOS		C			C			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	5.9	31.7		31.1	21.9	15.7		31.1				
Change Period (Y+Rc), s	4.4	5.7		4.9	4.4	* 5.7		4.9				
Max Green Setting (Gmax), s	5.7	44.3		35.0	21.7	* 29		35.0				
Max Q Clear Time (g_c+I1), s	3.0	19.3		8.6	17.2	5.2		9.2				
Green Ext Time (p_c), s	0.0	6.5		0.7	0.3	1.1		0.9				

Intersection Summary			
HCM 6th Ctrl Delay		23.0	
HCM 6th LOS		C	

Notes

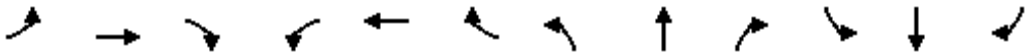
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	96	903	15	32	145	16	16	80	57	19	24	16
Future Volume (veh/h)	96	903	15	32	145	16	16	80	57	19	24	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		0.95	1.00		0.82	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	108	1015	17	36	163	18	18	90	64	21	27	18
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	137	1219	20	47	934	102	54	269	191	52	67	45
Arrive On Green	0.08	0.34	0.34	0.03	0.29	0.29	0.32	0.32	0.32	0.10	0.10	0.10
Sat Flow, veh/h	1781	3573	60	1781	3215	349	167	836	595	551	709	472
Grp Volume(v), veh/h	108	505	527	36	89	92	172	0	0	66	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1856	1781	1777	1788	1598	0	0	1732	0	0
Q Serve(g_s), s	5.4	23.5	23.5	1.8	3.4	3.5	7.4	0.0	0.0	3.2	0.0	0.0
Cycle Q Clear(g_c), s	5.4	23.5	23.5	1.8	3.4	3.5	7.4	0.0	0.0	3.2	0.0	0.0
Prop In Lane	1.00		0.03	1.00		0.20	0.10		0.37	0.32		0.27
Lane Grp Cap(c), veh/h	137	606	633	47	516	519	514	0	0	165	0	0
V/C Ratio(X)	0.79	0.83	0.83	0.77	0.17	0.18	0.33	0.00	0.00	0.40	0.00	0.00
Avail Cap(c_a), veh/h	295	675	705	103	516	519	552	0	0	579	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	40.8	27.3	27.3	43.5	23.8	23.9	23.2	0.0	0.0	38.3	0.0	0.0
Incr Delay (d2), s/veh	3.7	8.6	8.2	9.3	0.2	0.2	0.1	0.0	0.0	0.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.5	11.0	11.5	0.9	1.4	1.5	2.7	0.0	0.0	1.4	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	44.6	35.8	35.5	52.8	24.1	24.1	23.3	0.0	0.0	38.9	0.0	0.0
LnGrp LOS	D	D	D	D	C	C	C	A	A	D	A	A
Approach Vol, veh/h		1140			217			172			66	
Approach Delay, s/veh		36.5			28.8			23.3			38.9	
Approach LOS		D			C			C			D	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	6.8	35.9		13.5	11.3	31.3		33.9				
Change Period (Y+Rc), s	4.4	5.2		4.9	4.4	5.2		4.9				
Max Green Setting (Gmax), s	5.2	34.2		30.1	14.9	24.5		31.1				
Max Q Clear Time (g_c+I1), s	3.8	25.5		5.2	7.4	5.5		9.4				
Green Ext Time (p_c), s	0.0	5.2		0.2	0.1	1.2		0.7				

Intersection Summary			
HCM 6th Ctrl Delay		34.1	
HCM 6th LOS		C	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	109	325	24	22	76	233	11	361	151	457	150	36
Future Volume (veh/h)	109	325	24	22	76	233	11	361	151	457	150	36
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.98		0.97	1.00		0.95	1.00		0.88	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1796	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	118	353	26	24	83	253	12	392	164	497	163	39
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	300	745	55	221	791	782	21	708	289	537	1678	389
Arrive On Green	0.22	0.22	0.22	0.22	0.22	0.22	0.01	0.30	0.30	0.30	0.59	0.59
Sat Flow, veh/h	1023	3349	245	999	3554	1452	1781	2360	964	1781	2843	660
Grp Volume(v), veh/h	118	186	193	24	83	253	12	293	263	497	100	102
Grp Sat Flow(s),veh/h/ln	1023	1777	1818	999	1777	1452	1781	1777	1547	1781	1777	1726
Q Serve(g_s), s	8.2	7.2	7.3	1.7	1.5	7.9	0.5	10.9	11.4	21.4	1.9	2.0
Cycle Q Clear(g_c), s	9.7	7.2	7.3	9.0	1.5	7.9	0.5	10.9	11.4	21.4	1.9	2.0
Prop In Lane	1.00		0.13	1.00		1.00	1.00		0.62	1.00		0.38
Lane Grp Cap(c), veh/h	300	395	405	221	791	782	21	533	464	537	1049	1019
V/C Ratio(X)	0.39	0.47	0.48	0.11	0.10	0.32	0.57	0.55	0.57	0.92	0.10	0.10
Avail Cap(c_a), veh/h	473	696	712	390	1392	1028	236	593	516	655	1049	1019
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.3	26.7	26.8	30.7	24.5	10.8	38.9	23.2	23.4	26.8	7.0	7.1
Incr Delay (d2), s/veh	0.3	0.3	0.3	0.1	0.0	0.1	8.9	2.7	3.4	15.7	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	3.0	3.1	0.4	0.6	2.3	0.3	4.8	4.4	10.9	0.7	0.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	28.7	27.0	27.1	30.7	24.5	10.9	47.8	25.9	26.7	42.4	7.1	7.1
LnGrp LOS	C	C	C	C	C	B	D	C	C	D	A	A
Approach Vol, veh/h		497			360			568			699	
Approach Delay, s/veh		27.4			15.4			26.7			32.2	
Approach LOS		C			B			C			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	27.9	28.6		22.7	4.9	51.5		22.7				
Change Period (Y+Rc), s	4.0	* 4.8		5.1	4.0	* 4.8		5.1				
Max Green Setting (Gmax), s	29.1	* 26		31.0	10.5	* 45		31.0				
Max Q Clear Time (g_c+I1), s	23.4	13.4		11.7	2.5	4.0		11.0				
Green Ext Time (p_c), s	0.5	5.5		1.7	0.0	1.7		0.8				

Intersection Summary		
HCM 6th Ctrl Delay		26.8
HCM 6th LOS		C

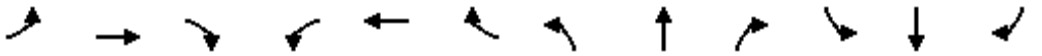
Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	122	552	107	130	365	118	20	130	63	43	179	111
Future Volume (veh/h)	122	552	107	130	365	118	20	130	63	43	179	111
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.99	0.99		0.92	0.96		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	128	581	113	137	384	124	21	137	66	45	188	117
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	165	1068	207	177	497	161	121	606	262	110	274	156
Arrive On Green	0.09	0.36	0.36	0.10	0.37	0.37	0.28	0.28	0.28	0.28	0.28	0.28
Sat Flow, veh/h	1781	2950	572	1781	1349	436	157	2153	931	129	973	553
Grp Volume(v), veh/h	128	349	345	137	0	508	122	0	102	350	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1746	1781	0	1785	1796	0	1444	1654	0	0
Q Serve(g_s), s	3.9	8.6	8.7	4.1	0.0	13.9	0.0	0.0	3.0	4.6	0.0	0.0
Cycle Q Clear(g_c), s	3.9	8.6	8.7	4.1	0.0	13.9	2.8	0.0	3.0	10.5	0.0	0.0
Prop In Lane	1.00		0.33	1.00		0.24	0.17		0.64	0.13		0.33
Lane Grp Cap(c), veh/h	165	643	632	177	0	658	582	0	407	539	0	0
V/C Ratio(X)	0.78	0.54	0.55	0.77	0.00	0.77	0.21	0.00	0.25	0.65	0.00	0.00
Avail Cap(c_a), veh/h	374	1124	1104	445	0	1200	929	0	709	876	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	24.5	14.0	14.0	24.3	0.0	15.4	15.2	0.0	15.3	17.9	0.0	0.0
Incr Delay (d2), s/veh	2.9	0.6	0.7	2.7	0.0	2.6	0.1	0.0	0.1	0.5	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	3.1	3.1	1.8	0.0	5.3	1.1	0.0	0.9	3.7	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	27.4	14.6	14.7	27.0	0.0	18.0	15.3	0.0	15.5	18.4	0.0	0.0
LnGrp LOS	C	B	B	C	A	B	B	A	B	B	A	A
Approach Vol, veh/h		822			645			224			350	
Approach Delay, s/veh		16.6			19.9			15.4			18.4	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.9	24.9		20.4	9.5	25.2		20.4				
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9				
Max Green Setting (Gmax), s	13.8	34.9		27.1	11.6	37.1		27.1				
Max Q Clear Time (g_c+I1), s	6.1	10.7		12.5	5.9	15.9		5.0				
Green Ext Time (p_c), s	0.1	4.3		1.3	0.1	4.5		0.8				

Intersection Summary			
HCM 6th Ctrl Delay		17.8	
HCM 6th LOS		B	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	145	918	28	11	198	337	107	598	84	238	138	117
Future Volume (veh/h)	145	918	28	11	198	337	107	598	84	238	138	117
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.97	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	158	998	30	12	215	366	116	650	0	259	150	127
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	193	1266	683	21	921	400	147	778		299	1081	647
Arrive On Green	0.11	0.36	0.36	0.01	0.26	0.26	0.08	0.22	0.00	0.17	0.30	0.30
Sat Flow, veh/h	1781	3554	1550	1781	3554	1544	1781	3554	1585	1781	3554	1563
Grp Volume(v), veh/h	158	998	30	12	215	366	116	650	0	259	150	127
Grp Sat Flow(s),veh/h/ln	1781	1777	1550	1781	1777	1544	1781	1777	1585	1781	1777	1563
Q Serve(g_s), s	7.2	20.8	0.9	0.6	3.9	19.0	5.3	14.5	0.0	11.7	2.5	4.3
Cycle Q Clear(g_c), s	7.2	20.8	0.9	0.6	3.9	19.0	5.3	14.5	0.0	11.7	2.5	4.3
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	193	1266	683	21	921	400	147	778		299	1081	647
V/C Ratio(X)	0.82	0.79	0.04	0.58	0.23	0.91	0.79	0.84		0.87	0.14	0.20
Avail Cap(c_a), veh/h	248	1266	683	110	945	411	267	885		336	1081	647
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	36.1	23.8	13.3	40.7	24.2	29.7	37.2	30.9	0.0	33.5	20.9	15.5
Incr Delay (d2), s/veh	12.1	3.7	0.0	9.1	0.2	24.9	3.5	6.3	0.0	19.9	0.1	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.7	8.9	0.3	0.3	1.6	9.6	2.4	6.7	0.0	6.6	1.0	1.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	48.2	27.5	13.3	49.8	24.4	54.7	40.8	37.2	0.0	53.4	21.0	15.7
LnGrp LOS	D	C	B	D	C	D	D	D		D	C	B
Approach Vol, veh/h		1186			593			766	A		536	
Approach Delay, s/veh		29.9			43.6			37.8			35.4	
Approach LOS		C			D			D			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	18.3	23.0	5.4	36.1	11.2	30.1	13.4	28.1
Change Period (Y+Rc), s	4.4	4.9	4.4	* 6.6	4.4	4.9	4.4	6.6
Max Green Setting (Gmax), s	15.6	20.6	5.1	* 29	12.4	23.8	11.5	22.0
Max Q Clear Time (g_c+I1), s	13.7	16.5	2.6	22.8	7.3	6.3	9.2	21.0
Green Ext Time (p_c), s	0.2	1.6	0.0	4.1	0.1	1.7	0.0	0.4

Intersection Summary	
HCM 6th Ctrl Delay	35.5
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.

APPENDIX F

YEAR 2019 SUPPLEMENTAL + CUMULATIVE HCM INTERSECTION CALCULATION SHEETS

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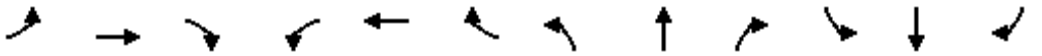


Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	169	141	25	79	913	89	2	68	14	34	84	360
Future Volume (veh/h)	169	141	25	79	913	89	2	68	14	34	84	360
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.98	1.00		0.97	0.98		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	190	158	28	89	1026	100	2	76	16	38	94	404
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	227	1335	231	114	1243	121	319	464	98	176	408	483
Arrive On Green	0.13	0.44	0.44	0.06	0.38	0.38	0.31	0.31	0.31	0.31	0.31	0.31
Sat Flow, veh/h	1781	3008	520	1781	3265	318	897	1489	313	386	1308	1551
Grp Volume(v), veh/h	190	92	94	89	558	568	2	0	92	132	0	404
Grp Sat Flow(s),veh/h/ln	1781	1777	1751	1781	1777	1806	897	0	1802	1694	0	1551
Q Serve(g_s), s	8.7	2.5	2.6	4.1	23.6	23.7	0.1	0.0	3.1	0.0	0.0	20.2
Cycle Q Clear(g_c), s	8.7	2.5	2.6	4.1	23.6	23.7	4.5	0.0	3.1	4.4	0.0	20.2
Prop In Lane	1.00		0.30	1.00		0.18	1.00		0.17	0.29		1.00
Lane Grp Cap(c), veh/h	227	789	777	114	676	687	319	0	562	584	0	483
V/C Ratio(X)	0.84	0.12	0.12	0.78	0.83	0.83	0.01	0.00	0.16	0.23	0.00	0.84
Avail Cap(c_a), veh/h	291	839	826	227	779	792	418	0	760	765	0	654
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	35.5	13.6	13.6	38.4	23.3	23.3	22.9	0.0	20.8	21.2	0.0	26.7
Incr Delay (d2), s/veh	12.5	0.1	0.1	4.2	6.7	6.6	0.0	0.0	0.1	0.1	0.0	5.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.5	1.0	1.0	1.9	10.6	10.7	0.0	0.0	1.3	1.9	0.0	7.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	48.0	13.6	13.7	42.6	30.0	29.9	22.9	0.0	20.8	21.3	0.0	31.9
LnGrp LOS	D	B	B	D	C	C	C	A	C	C	A	C
Approach Vol, veh/h		376			1215			94			536	
Approach Delay, s/veh		31.0			30.9			20.9			29.3	
Approach LOS		C			C			C			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.7	42.7		30.9	15.0	37.4		30.9				
Change Period (Y+Rc), s	4.4	5.7		4.9	4.4	* 5.7		4.9				
Max Green Setting (Gmax), s	10.6	39.3		35.1	13.6	* 37		35.1				
Max Q Clear Time (g_c+I1), s	6.1	4.6		22.2	10.7	25.7		6.5				
Green Ext Time (p_c), s	0.0	0.9		1.1	0.1	6.0		0.3				

Intersection Summary			
HCM 6th Ctrl Delay		30.1	
HCM 6th LOS		C	

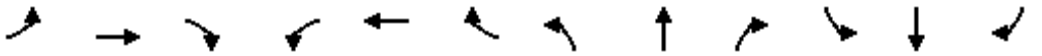
Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	13	136	15	72	989	26	14	36	50	9	51	69
Future Volume (veh/h)	13	136	15	72	989	26	14	36	50	9	51	69
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		0.82	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	14	146	16	77	1063	28	15	39	54	10	55	74
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	23	959	104	99	1201	32	64	166	229	17	95	128
Arrive On Green	0.01	0.30	0.30	0.06	0.34	0.34	0.30	0.30	0.30	0.15	0.15	0.15
Sat Flow, veh/h	1781	3232	349	1781	3537	93	212	551	763	119	654	880
Grp Volume(v), veh/h	14	79	83	77	534	557	108	0	0	139	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1805	1781	1777	1853	1526	0	0	1652	0	0
Q Serve(g_s), s	0.8	3.2	3.2	4.1	27.3	27.3	5.1	0.0	0.0	7.6	0.0	0.0
Cycle Q Clear(g_c), s	0.8	3.2	3.2	4.1	27.3	27.3	5.1	0.0	0.0	7.6	0.0	0.0
Prop In Lane	1.00		0.19	1.00		0.05	0.14		0.50	0.07		0.53
Lane Grp Cap(c), veh/h	23	527	536	99	603	629	459	0	0	240	0	0
V/C Ratio(X)	0.61	0.15	0.15	0.78	0.89	0.89	0.24	0.00	0.00	0.58	0.00	0.00
Avail Cap(c_a), veh/h	96	527	536	220	631	659	493	0	0	517	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	47.2	24.9	24.9	44.8	30.0	30.0	25.3	0.0	0.0	38.4	0.0	0.0
Incr Delay (d2), s/veh	9.1	0.2	0.2	4.8	14.2	13.7	0.1	0.0	0.0	0.8	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	1.3	1.4	1.9	13.6	14.2	1.8	0.0	0.0	3.1	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	56.4	25.1	25.1	49.7	44.2	43.7	25.4	0.0	0.0	39.2	0.0	0.0
LnGrp LOS	E	C	C	D	D	D	C	A	A	D	A	A
Approach Vol, veh/h		176			1168			108			139	
Approach Delay, s/veh		27.6			44.3			25.4			39.2	
Approach LOS		C			D			C			D	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.8	33.8		18.9	5.6	37.9		33.8				
Change Period (Y+Rc), s	4.4	5.2		4.9	4.4	5.2		4.9				
Max Green Setting (Gmax), s	11.9	27.5		30.1	5.2	34.2		31.1				
Max Q Clear Time (g_c+I1), s	6.1	5.2		9.6	2.8	29.3		7.1				
Green Ext Time (p_c), s	0.0	1.1		0.5	0.0	3.4		0.4				

Intersection Summary			
HCM 6th Ctrl Delay		40.7	
HCM 6th LOS		D	



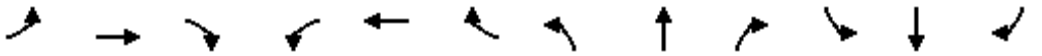
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	44	82	29	95	505	571	38	122	18	239	400	49
Future Volume (veh/h)	44	82	29	95	505	571	38	122	18	239	400	49
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.97	1.00		0.90	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1796	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	46	86	31	100	532	601	40	128	19	252	421	52
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	235	979	333	555	1353	819	55	793	114	298	1256	154
Arrive On Green	0.38	0.38	0.38	0.38	0.38	0.38	0.03	0.26	0.26	0.17	0.39	0.39
Sat Flow, veh/h	496	2572	874	1270	3554	1483	1781	3069	442	1781	3180	390
Grp Volume(v), veh/h	46	58	59	100	532	601	40	72	75	252	234	239
Grp Sat Flow(s),veh/h/ln	496	1777	1670	1270	1777	1483	1781	1777	1733	1781	1777	1793
Q Serve(g_s), s	5.3	1.5	1.6	3.9	7.8	22.1	1.6	2.3	2.4	9.8	6.6	6.7
Cycle Q Clear(g_c), s	13.2	1.5	1.6	5.6	7.8	22.1	1.6	2.3	2.4	9.8	6.6	6.7
Prop In Lane	1.00		0.52	1.00		1.00	1.00		0.25	1.00		0.22
Lane Grp Cap(c), veh/h	235	677	636	555	1353	819	55	459	448	298	702	708
V/C Ratio(X)	0.20	0.09	0.09	0.18	0.39	0.73	0.73	0.16	0.17	0.85	0.33	0.34
Avail Cap(c_a), veh/h	261	768	722	620	1536	895	261	656	640	472	857	865
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	21.0	14.2	14.3	16.0	16.2	12.3	34.5	20.6	20.6	29.0	15.1	15.2
Incr Delay (d2), s/veh	0.1	0.0	0.0	0.1	0.1	2.3	6.9	0.5	0.5	4.5	0.4	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.6	0.6	1.1	3.0	6.7	0.8	1.0	1.0	4.4	2.5	2.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	21.1	14.2	14.3	16.1	16.2	14.7	41.4	21.1	21.1	33.5	15.5	15.5
LnGrp LOS	C	B	B	B	B	B	D	C	C	C	B	B
Approach Vol, veh/h		163			1233			187			725	
Approach Delay, s/veh		16.2			15.5			25.4			21.7	
Approach LOS		B			B			C			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	16.0	23.3		32.4	6.2	33.1		32.4				
Change Period (Y+Rc), s	4.0	* 4.8		5.1	4.0	* 4.8		5.1				
Max Green Setting (Gmax), s	19.0	* 27		31.0	10.5	* 35		31.0				
Max Q Clear Time (g_c+I1), s	11.8	4.4		15.2	3.6	8.7		24.1				
Green Ext Time (p_c), s	0.2	1.6		0.7	0.0	4.0		2.5				

Intersection Summary			
HCM 6th Ctrl Delay		18.3	
HCM 6th LOS		B	

Notes

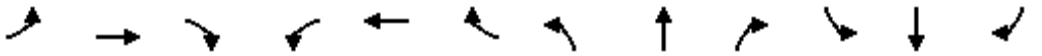
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	97	209	38	59	564	57	99	101	39	23	153	328
Future Volume (veh/h)	97	209	38	59	564	57	99	101	39	23	153	328
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.95	0.98		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	105	227	41	64	613	62	108	110	42	25	166	357
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	133	1318	234	82	683	69	189	400	153	58	182	365
Arrive On Green	0.07	0.44	0.44	0.05	0.41	0.41	0.35	0.35	0.35	0.35	0.35	0.35
Sat Flow, veh/h	1781	3006	533	1781	1668	169	298	1153	440	38	525	1053
Grp Volume(v), veh/h	105	132	136	64	0	675	108	0	152	548	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1763	1781	0	1837	298	0	1594	1616	0	0
Q Serve(g_s), s	4.9	3.8	3.9	3.0	0.0	28.8	0.9	0.0	5.8	14.4	0.0	0.0
Cycle Q Clear(g_c), s	4.9	3.8	3.9	3.0	0.0	28.8	29.1	0.0	5.8	28.2	0.0	0.0
Prop In Lane	1.00		0.30	1.00		0.09	1.00		0.28	0.05		0.65
Lane Grp Cap(c), veh/h	133	779	773	82	0	753	189	0	552	605	0	0
V/C Ratio(X)	0.79	0.17	0.18	0.78	0.00	0.90	0.57	0.00	0.28	0.91	0.00	0.00
Avail Cap(c_a), veh/h	161	779	773	216	0	855	189	0	552	605	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	38.2	14.3	14.4	39.6	0.0	23.1	29.0	0.0	19.8	27.1	0.0	0.0
Incr Delay (d2), s/veh	15.5	0.1	0.1	5.8	0.0	11.6	2.6	0.0	0.1	17.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.7	1.5	1.5	1.4	0.0	14.0	2.3	0.0	2.1	13.1	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	53.7	14.4	14.5	45.4	0.0	34.8	31.6	0.0	19.9	44.1	0.0	0.0
LnGrp LOS	D	B	B	D	A	C	C	A	B	D	A	A
Approach Vol, veh/h		373			739			260			548	
Approach Delay, s/veh		25.5			35.7			24.8			44.1	
Approach LOS		C			D			C			D	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	8.3	41.7		34.0	10.7	39.3		34.0				
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9				
Max Green Setting (Gmax), s	10.2	36.5		29.1	7.6	39.1		29.1				
Max Q Clear Time (g_c+I1), s	5.0	5.9		30.2	6.9	30.8		31.1				
Green Ext Time (p_c), s	0.0	1.5		0.0	0.0	3.6		0.0				

Intersection Summary			
HCM 6th Ctrl Delay		34.6	
HCM 6th LOS		C	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	72	228	118	137	980	341	0	7	74	121	540	124
Future Volume (veh/h)	72	228	118	137	980	341	0	7	74	121	540	124
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	77	243	126	146	1043	363	0	7	0	129	574	132
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	98	1285	443	187	1463	643	3	310		167	914	489
Arrive On Green	0.05	0.36	0.36	0.11	0.41	0.41	0.00	0.09	0.00	0.09	0.26	0.26
Sat Flow, veh/h	1781	3554	1560	1781	3554	1562	1781	3554	1585	1781	3554	1562
Grp Volume(v), veh/h	77	243	126	146	1043	363	0	7	0	129	574	132
Grp Sat Flow(s),veh/h/ln	1781	1777	1560	1781	1777	1562	1781	1777	1585	1781	1777	1562
Q Serve(g_s), s	2.5	2.7	8.1	4.6	14.1	10.3	0.0	0.1	0.0	4.1	8.2	3.7
Cycle Q Clear(g_c), s	2.5	2.7	8.1	4.6	14.1	10.3	0.0	0.1	0.0	4.1	8.2	3.7
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	98	1285	443	187	1463	643	3	310		167	914	489
V/C Ratio(X)	0.79	0.19	0.28	0.78	0.71	0.56	0.00	0.02		0.77	0.63	0.27
Avail Cap(c_a), veh/h	173	1285	443	405	1628	716	161	1178		266	1388	697
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	26.9	12.6	57.6	25.1	14.1	13.0	0.0	24.0	0.0	25.5	19.0	14.9
Incr Delay (d2), s/veh	5.2	0.1	0.6	2.7	1.6	1.3	0.0	0.0	0.0	10.3	1.0	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	1.0	3.2	2.0	5.1	3.3	0.0	0.0	0.0	2.1	3.2	1.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	32.1	12.7	58.2	27.8	15.7	14.3	0.0	24.1	0.0	35.8	20.0	15.3
LnGrp LOS	C	B	E	C	B	B	A	C		D	B	B
Approach Vol, veh/h		446			1552			7	A		835	
Approach Delay, s/veh		28.9			16.5			24.1			21.7	
Approach LOS		C			B			C			C	

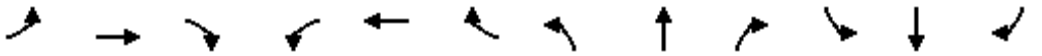
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.8	9.9	10.5	27.4	0.0	19.7	7.6	30.3
Change Period (Y+Rc), s	4.4	4.9	4.4	* 6.6	4.4	4.9	4.4	6.6
Max Green Setting (Gmax), s	8.6	19.1	13.1	* 19	5.2	22.5	5.6	26.4
Max Q Clear Time (g_c+I1), s	6.1	2.1	6.6	10.1	0.0	10.2	4.5	16.1
Green Ext Time (p_c), s	0.1	0.0	0.1	1.9	0.0	4.6	0.0	7.6

Intersection Summary	
HCM 6th Ctrl Delay	20.0
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.



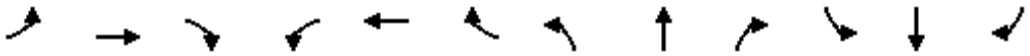
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	443	1028	10	23	183	30	12	168	44	36	74	192
Future Volume (veh/h)	443	1028	10	23	183	30	12	168	44	36	74	192
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.95	0.99		0.89	0.94		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	482	1117	11	25	199	33	13	183	48	39	80	209
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	518	1462	14	39	414	67	389	511	134	200	380	568
Arrive On Green	0.29	0.41	0.41	0.02	0.14	0.14	0.37	0.37	0.37	0.37	0.37	0.37
Sat Flow, veh/h	1781	3603	35	1781	3033	492	1083	1389	364	366	1034	1545
Grp Volume(v), veh/h	482	551	577	25	115	117	13	0	231	119	0	209
Grp Sat Flow(s),veh/h/ln	1781	1777	1862	1781	1777	1748	1083	0	1754	1399	0	1545
Q Serve(g_s), s	19.3	19.6	19.6	1.0	4.4	4.5	0.7	0.0	7.0	0.3	0.0	7.2
Cycle Q Clear(g_c), s	19.3	19.6	19.6	1.0	4.4	4.5	7.9	0.0	7.0	7.3	0.0	7.2
Prop In Lane	1.00		0.02	1.00		0.28	1.00		0.21	0.33		1.00
Lane Grp Cap(c), veh/h	518	721	756	39	243	239	389	0	645	580	0	568
V/C Ratio(X)	0.93	0.76	0.76	0.64	0.47	0.49	0.03	0.00	0.36	0.21	0.00	0.37
Avail Cap(c_a), veh/h	528	1074	1126	139	691	680	508	0	838	746	0	738
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	25.2	18.7	18.7	35.6	29.2	29.3	19.8	0.0	16.9	15.7	0.0	16.9
Incr Delay (d2), s/veh	22.6	1.5	1.5	6.5	1.7	1.8	0.0	0.0	0.1	0.1	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.9	7.7	8.0	0.5	1.9	2.0	0.2	0.0	2.7	1.3	0.0	2.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	47.8	20.3	20.2	42.0	30.9	31.1	19.9	0.0	17.0	15.8	0.0	17.1
LnGrp LOS	D	C	C	D	C	C	B	A	B	B	A	B
Approach Vol, veh/h		1610			257			244			328	
Approach Delay, s/veh		28.5			32.1			17.1			16.6	
Approach LOS		C			C			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	6.0	35.4		31.8	25.7	15.7		31.8				
Change Period (Y+Rc), s	4.4	5.7		4.9	4.4	* 5.7		4.9				
Max Green Setting (Gmax), s	5.7	44.3		35.0	21.7	* 29		35.0				
Max Q Clear Time (g_c+I1), s	3.0	21.6		9.3	21.3	6.5		9.9				
Green Ext Time (p_c), s	0.0	7.0		0.8	0.1	1.5		0.9				

Intersection Summary			
HCM 6th Ctrl Delay		26.1	
HCM 6th LOS		C	

Notes

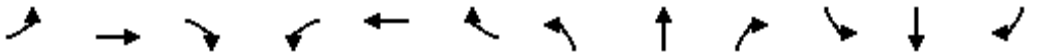
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	96	978	15	32	198	16	16	80	57	19	24	16
Future Volume (veh/h)	96	978	15	32	198	16	16	80	57	19	24	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		0.96	1.00		0.81	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	108	1099	17	36	222	18	18	90	64	21	27	18
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	137	1259	19	47	1000	80	53	264	188	52	67	45
Arrive On Green	0.08	0.35	0.35	0.03	0.30	0.30	0.32	0.32	0.32	0.09	0.09	0.09
Sat Flow, veh/h	1781	3578	55	1781	3318	266	167	835	594	551	709	472
Grp Volume(v), veh/h	108	546	570	36	118	122	172	0	0	66	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1857	1781	1777	1808	1595	0	0	1732	0	0
Q Serve(g_s), s	5.5	26.4	26.4	1.8	4.6	4.7	7.6	0.0	0.0	3.3	0.0	0.0
Cycle Q Clear(g_c), s	5.5	26.4	26.4	1.8	4.6	4.7	7.6	0.0	0.0	3.3	0.0	0.0
Prop In Lane	1.00		0.03	1.00		0.15	0.10		0.37	0.32		0.27
Lane Grp Cap(c), veh/h	137	625	653	47	535	545	504	0	0	164	0	0
V/C Ratio(X)	0.79	0.87	0.87	0.77	0.22	0.22	0.34	0.00	0.00	0.40	0.00	0.00
Avail Cap(c_a), veh/h	289	661	690	101	535	545	539	0	0	567	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	41.7	27.9	27.9	44.5	24.1	24.1	24.1	0.0	0.0	39.2	0.0	0.0
Incr Delay (d2), s/veh	3.8	12.3	11.8	9.6	0.3	0.3	0.1	0.0	0.0	0.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.5	12.9	13.4	0.9	1.9	2.0	2.8	0.0	0.0	1.4	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	45.5	40.1	39.7	54.2	24.3	24.4	24.3	0.0	0.0	39.8	0.0	0.0
LnGrp LOS	D	D	D	D	C	C	C	A	A	D	A	A
Approach Vol, veh/h		1224			276			172			66	
Approach Delay, s/veh		40.4			28.2			24.3			39.8	
Approach LOS		D			C			C			D	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	6.8	37.6		13.6	11.5	32.9		34.0				
Change Period (Y+Rc), s	4.4	5.2		4.9	4.4	5.2		4.9				
Max Green Setting (Gmax), s	5.2	34.2		30.1	14.9	24.5		31.1				
Max Q Clear Time (g_c+I1), s	3.8	28.4		5.3	7.5	6.7		9.6				
Green Ext Time (p_c), s	0.0	3.9		0.2	0.1	1.6		0.7				

Intersection Summary												
HCM 6th Ctrl Delay			36.9									
HCM 6th LOS			D									



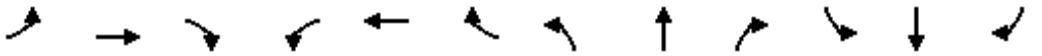
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	109	325	24	22	76	239	11	384	151	462	166	36
Future Volume (veh/h)	109	325	24	22	76	239	11	384	151	462	166	36
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.98		0.97	1.00		0.95	1.00		0.88	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1796	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	118	353	26	24	83	260	12	417	164	502	180	39
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	297	743	54	220	789	785	21	723	279	542	1719	363
Arrive On Green	0.22	0.22	0.22	0.22	0.22	0.22	0.01	0.30	0.30	0.30	0.59	0.59
Sat Flow, veh/h	1017	3349	245	999	3554	1452	1781	2408	928	1781	2902	612
Grp Volume(v), veh/h	118	186	193	24	83	260	12	306	275	502	108	111
Grp Sat Flow(s),veh/h/ln	1017	1777	1818	999	1777	1452	1781	1777	1559	1781	1777	1737
Q Serve(g_s), s	8.4	7.3	7.4	1.7	1.5	8.3	0.5	11.6	12.0	21.8	2.1	2.2
Cycle Q Clear(g_c), s	9.8	7.3	7.4	9.1	1.5	8.3	0.5	11.6	12.0	21.8	2.1	2.2
Prop In Lane	1.00		0.13	1.00		1.00	1.00		0.60	1.00		0.35
Lane Grp Cap(c), veh/h	297	394	403	220	789	785	21	533	468	542	1053	1029
V/C Ratio(X)	0.40	0.47	0.48	0.11	0.11	0.33	0.58	0.57	0.59	0.93	0.10	0.11
Avail Cap(c_a), veh/h	465	689	705	386	1378	1026	234	587	515	649	1053	1029
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.7	27.0	27.1	31.0	24.8	10.9	39.3	23.6	23.8	27.0	7.1	7.1
Incr Delay (d2), s/veh	0.3	0.3	0.3	0.1	0.0	0.1	9.0	3.0	3.7	16.4	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	3.0	3.1	0.4	0.6	2.4	0.3	5.1	4.7	11.3	0.7	0.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	29.0	27.4	27.4	31.1	24.8	11.0	48.3	26.7	27.5	43.4	7.1	7.1
LnGrp LOS	C	C	C	C	C	B	D	C	C	D	A	A
Approach Vol, veh/h		497			367			593			721	
Approach Delay, s/veh		27.8			15.5			27.5			32.4	
Approach LOS		C			B			C			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	28.3	28.8		22.8	4.9	52.2		22.8				
Change Period (Y+Rc), s	4.0	* 4.8		5.1	4.0	* 4.8		5.1				
Max Green Setting (Gmax), s	29.1	* 26		31.0	10.5	* 45		31.0				
Max Q Clear Time (g_c+I1), s	23.8	14.0		11.8	2.5	4.2		11.1				
Green Ext Time (p_c), s	0.5	5.5		1.7	0.0	1.8		0.9				

Intersection Summary		
HCM 6th Ctrl Delay		27.1
HCM 6th LOS		C

Notes

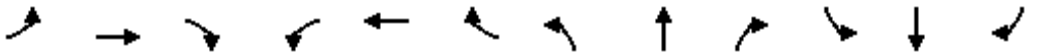
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	122	557	115	130	368	118	26	152	63	43	195	111
Future Volume (veh/h)	122	557	115	130	368	118	26	152	63	43	195	111
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.99	0.99		0.93	0.96		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	128	586	121	137	387	124	27	160	66	45	205	117
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	165	1056	217	177	499	160	132	632	239	107	288	151
Arrive On Green	0.09	0.36	0.36	0.10	0.37	0.37	0.29	0.29	0.29	0.29	0.29	0.29
Sat Flow, veh/h	1781	2916	600	1781	1352	433	194	2213	837	123	1008	529
Grp Volume(v), veh/h	128	356	351	137	0	511	137	0	116	367	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1739	1781	0	1785	1773	0	1471	1660	0	0
Q Serve(g_s), s	3.9	9.0	9.0	4.2	0.0	14.2	0.0	0.0	3.4	5.1	0.0	0.0
Cycle Q Clear(g_c), s	3.9	9.0	9.0	4.2	0.0	14.2	3.2	0.0	3.4	11.2	0.0	0.0
Prop In Lane	1.00		0.35	1.00		0.24	0.20		0.57	0.12		0.32
Lane Grp Cap(c), veh/h	165	643	630	177	0	658	583	0	420	546	0	0
V/C Ratio(X)	0.78	0.55	0.56	0.78	0.00	0.78	0.23	0.00	0.28	0.67	0.00	0.00
Avail Cap(c_a), veh/h	368	1106	1083	438	0	1181	903	0	711	865	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	24.9	14.3	14.3	24.6	0.0	15.7	15.4	0.0	15.5	18.2	0.0	0.0
Incr Delay (d2), s/veh	2.9	0.7	0.7	2.8	0.0	2.7	0.1	0.0	0.1	0.5	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	3.3	3.2	1.8	0.0	5.5	1.2	0.0	1.1	3.9	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	27.8	14.9	15.0	27.4	0.0	18.3	15.5	0.0	15.7	18.8	0.0	0.0
LnGrp LOS	C	B	B	C	A	B	B	A	B	B	A	A
Approach Vol, veh/h		835			648			253			367	
Approach Delay, s/veh		16.9			20.2			15.6			18.8	
Approach LOS		B			C			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.0	25.2		20.9	9.6	25.6		20.9				
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9				
Max Green Setting (Gmax), s	13.8	34.9		27.1	11.6	37.1		27.1				
Max Q Clear Time (g_c+I1), s	6.2	11.0		13.2	5.9	16.2		5.4				
Green Ext Time (p_c), s	0.1	4.3		1.4	0.1	4.5		1.0				

Intersection Summary			
HCM 6th Ctrl Delay		18.1	
HCM 6th LOS		B	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	145	918	28	11	198	337	107	620	84	238	154	117
Future Volume (veh/h)	145	918	28	11	198	337	107	620	84	238	154	117
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.97	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	158	998	30	12	215	366	116	674	0	259	167	127
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	193	1261	681	21	918	399	147	792		299	1095	653
Arrive On Green	0.11	0.35	0.35	0.01	0.26	0.26	0.08	0.22	0.00	0.17	0.31	0.31
Sat Flow, veh/h	1781	3554	1550	1781	3554	1544	1781	3554	1585	1781	3554	1563
Grp Volume(v), veh/h	158	998	30	12	215	366	116	674	0	259	167	127
Grp Sat Flow(s),veh/h/ln	1781	1777	1550	1781	1777	1544	1781	1777	1585	1781	1777	1563
Q Serve(g_s), s	7.3	21.1	0.9	0.6	4.0	19.3	5.3	15.2	0.0	11.8	2.9	4.3
Cycle Q Clear(g_c), s	7.3	21.1	0.9	0.6	4.0	19.3	5.3	15.2	0.0	11.8	2.9	4.3
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	193	1261	681	21	918	399	147	792		299	1095	653
V/C Ratio(X)	0.82	0.79	0.04	0.58	0.23	0.92	0.79	0.85		0.87	0.15	0.19
Avail Cap(c_a), veh/h	245	1261	681	109	935	406	264	875		332	1095	653
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	36.5	24.2	13.5	41.1	24.5	30.2	37.6	31.2	0.0	33.9	21.0	15.5
Incr Delay (d2), s/veh	12.6	3.8	0.0	9.1	0.2	25.8	3.5	7.4	0.0	20.4	0.1	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.8	9.1	0.3	0.3	1.7	9.7	2.4	7.1	0.0	6.7	1.2	1.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	49.1	28.0	13.5	50.3	24.7	56.0	41.2	38.6	0.0	54.3	21.1	15.7
LnGrp LOS	D	C	B	D	C	E	D	D		D	C	B
Approach Vol, veh/h		1186			593			790	A		553	
Approach Delay, s/veh		30.4			44.5			39.0			35.4	
Approach LOS		C			D			D			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	18.4	23.5	5.4	36.3	11.3	30.7	13.5	28.2
Change Period (Y+Rc), s	4.4	4.9	4.4	* 6.6	4.4	4.9	4.4	6.6
Max Green Setting (Gmax), s	15.6	20.6	5.1	* 29	12.4	23.8	11.5	22.0
Max Q Clear Time (g_c+I1), s	13.8	17.2	2.6	23.1	7.3	6.3	9.3	21.3
Green Ext Time (p_c), s	0.2	1.4	0.0	4.0	0.1	1.9	0.0	0.3

Intersection Summary	
HCM 6th Ctrl Delay	36.1
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.

APPENDIX G

YEAR 2019 SUPPLEMENTAL + CUMULATIVE + PROPOSED PROJECT HCM INTERSECTION CALCULATION SHEETS

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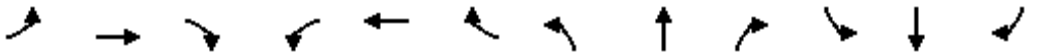


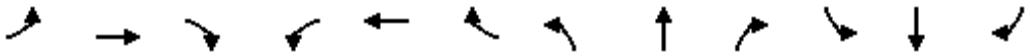
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	169	149	30	87	921	103	4	74	36	34	87	360
Future Volume (veh/h)	169	149	30	87	921	103	4	74	36	34	87	360
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.98	1.00		0.97	0.99		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	190	167	34	98	1035	116	4	83	40	38	98	404
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	227	1294	256	125	1235	138	314	366	176	169	409	482
Arrive On Green	0.13	0.44	0.44	0.07	0.38	0.38	0.31	0.31	0.31	0.31	0.31	0.31
Sat Flow, veh/h	1781	2933	581	1781	3214	360	893	1179	568	370	1317	1551
Grp Volume(v), veh/h	190	99	102	98	572	579	4	0	123	136	0	404
Grp Sat Flow(s),veh/h/ln	1781	1777	1737	1781	1777	1797	893	0	1747	1687	0	1551
Q Serve(g_s), s	8.8	2.8	2.9	4.6	24.7	24.7	0.3	0.0	4.4	0.0	0.0	20.5
Cycle Q Clear(g_c), s	8.8	2.8	2.9	4.6	24.7	24.7	4.8	0.0	4.4	4.6	0.0	20.5
Prop In Lane	1.00		0.33	1.00		0.20	1.00		0.33	0.28		1.00
Lane Grp Cap(c), veh/h	227	784	766	125	683	691	314	0	543	579	0	482
V/C Ratio(X)	0.84	0.13	0.13	0.78	0.84	0.84	0.01	0.00	0.23	0.24	0.00	0.84
Avail Cap(c_a), veh/h	287	828	809	224	769	777	409	0	727	752	0	645
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	36.0	14.0	14.0	38.6	23.6	23.6	23.4	0.0	21.6	21.6	0.0	27.1
Incr Delay (d2), s/veh	13.1	0.1	0.1	4.0	7.6	7.6	0.0	0.0	0.1	0.1	0.0	5.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.6	1.1	1.1	2.1	11.2	11.3	0.1	0.0	1.8	2.0	0.0	8.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	49.1	14.0	14.1	42.5	31.2	31.2	23.4	0.0	21.6	21.7	0.0	32.8
LnGrp LOS	D	B	B	D	C	C	C	A	C	C	A	C
Approach Vol, veh/h		391			1249			127			540	
Approach Delay, s/veh		31.1			32.1			21.7			30.0	
Approach LOS		C			C			C			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.3	42.9		31.1	15.1	38.1		31.1				
Change Period (Y+Rc), s	4.4	5.7		4.9	4.4	* 5.7		4.9				
Max Green Setting (Gmax), s	10.6	39.3		35.1	13.6	* 37		35.1				
Max Q Clear Time (g_c+I1), s	6.6	4.9		22.5	10.8	26.7		6.8				
Green Ext Time (p_c), s	0.0	1.0		1.1	0.1	5.7		0.5				

Intersection Summary			
HCM 6th Ctrl Delay		30.8	
HCM 6th LOS		C	

Notes

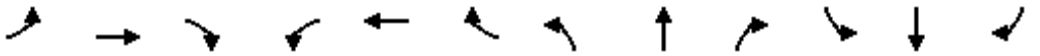
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	13	166	15	72	1019	26	14	36	50	9	51	69
Future Volume (veh/h)	13	166	15	72	1019	26	14	36	50	9	51	69
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		0.82	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	14	178	16	77	1096	28	15	39	54	10	55	74
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	23	989	88	99	1213	31	63	165	228	17	95	127
Arrive On Green	0.01	0.30	0.30	0.06	0.34	0.34	0.30	0.30	0.30	0.14	0.14	0.14
Sat Flow, veh/h	1781	3299	293	1781	3540	90	212	551	762	119	654	880
Grp Volume(v), veh/h	14	95	99	77	550	574	108	0	0	139	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1815	1781	1777	1854	1524	0	0	1652	0	0
Q Serve(g_s), s	0.8	3.8	3.9	4.1	28.5	28.6	5.2	0.0	0.0	7.6	0.0	0.0
Cycle Q Clear(g_c), s	0.8	3.8	3.9	4.1	28.5	28.6	5.2	0.0	0.0	7.6	0.0	0.0
Prop In Lane	1.00		0.16	1.00		0.05	0.14		0.50	0.07		0.53
Lane Grp Cap(c), veh/h	23	533	544	99	609	635	456	0	0	239	0	0
V/C Ratio(X)	0.61	0.18	0.18	0.78	0.90	0.90	0.24	0.00	0.00	0.58	0.00	0.00
Avail Cap(c_a), veh/h	96	533	544	219	627	655	489	0	0	513	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	47.6	25.1	25.1	45.1	30.3	30.3	25.6	0.0	0.0	38.7	0.0	0.0
Incr Delay (d2), s/veh	9.2	0.2	0.2	4.8	16.6	16.0	0.1	0.0	0.0	0.8	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	1.6	1.7	1.9	14.6	15.1	1.9	0.0	0.0	3.1	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	56.7	25.3	25.3	50.0	46.9	46.4	25.7	0.0	0.0	39.5	0.0	0.0
LnGrp LOS	E	C	C	D	D	D	C	A	A	D	A	A
Approach Vol, veh/h		208			1201			108			139	
Approach Delay, s/veh		27.4			46.8			25.7			39.5	
Approach LOS		C			D			C			D	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.8	34.3		18.9	5.7	38.4		33.9				
Change Period (Y+Rc), s	4.4	5.2		4.9	4.4	5.2		4.9				
Max Green Setting (Gmax), s	11.9	27.5		30.1	5.2	34.2		31.1				
Max Q Clear Time (g_c+I1), s	6.1	5.9		9.6	2.8	30.6		7.2				
Green Ext Time (p_c), s	0.0	1.4		0.5	0.0	2.6		0.4				

Intersection Summary			
HCM 6th Ctrl Delay		42.4	
HCM 6th LOS		D	



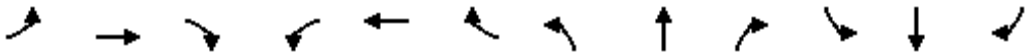
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	44	82	29	95	505	571	38	137	18	239	415	49
Future Volume (veh/h)	44	82	29	95	505	571	38	137	18	239	415	49
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.97	1.00		0.90	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1796	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	46	86	31	100	532	601	40	144	19	252	437	52
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	235	979	333	555	1353	819	55	807	104	298	1261	149
Arrive On Green	0.38	0.38	0.38	0.38	0.38	0.38	0.03	0.26	0.26	0.17	0.39	0.39
Sat Flow, veh/h	496	2572	874	1270	3554	1483	1781	3122	401	1781	3195	378
Grp Volume(v), veh/h	46	58	59	100	532	601	40	80	83	252	242	247
Grp Sat Flow(s),veh/h/ln	496	1777	1670	1270	1777	1483	1781	1777	1746	1781	1777	1796
Q Serve(g_s), s	5.3	1.5	1.6	3.9	7.8	22.1	1.6	2.5	2.6	9.8	6.8	6.9
Cycle Q Clear(g_c), s	13.2	1.5	1.6	5.6	7.8	22.1	1.6	2.5	2.6	9.8	6.8	6.9
Prop In Lane	1.00		0.52	1.00		1.00	1.00		0.23	1.00		0.21
Lane Grp Cap(c), veh/h	235	677	636	555	1353	819	55	459	451	298	702	709
V/C Ratio(X)	0.20	0.09	0.09	0.18	0.39	0.73	0.73	0.17	0.18	0.85	0.34	0.35
Avail Cap(c_a), veh/h	261	768	722	620	1536	895	261	656	645	472	857	866
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	21.0	14.2	14.3	16.0	16.2	12.3	34.5	20.7	20.7	29.0	15.2	15.2
Incr Delay (d2), s/veh	0.1	0.0	0.0	0.1	0.1	2.3	6.9	0.6	0.6	4.5	0.4	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.6	0.6	1.1	3.0	6.7	0.8	1.1	1.1	4.4	2.7	2.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	21.1	14.2	14.3	16.1	16.2	14.7	41.4	21.2	21.3	33.5	15.6	15.6
LnGrp LOS	C	B	B	B	B	B	D	C	C	C	B	B
Approach Vol, veh/h		163			1233			203			741	
Approach Delay, s/veh		16.2			15.5			25.2			21.7	
Approach LOS		B			B			C			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	16.0	23.3		32.4	6.2	33.1		32.4				
Change Period (Y+Rc), s	4.0	* 4.8		5.1	4.0	* 4.8		5.1				
Max Green Setting (Gmax), s	19.0	* 27		31.0	10.5	* 35		31.0				
Max Q Clear Time (g_c+I1), s	11.8	4.6		15.2	3.6	8.9		24.1				
Green Ext Time (p_c), s	0.2	1.8		0.7	0.0	4.1		2.5				

Intersection Summary			
HCM 6th Ctrl Delay		18.3	
HCM 6th LOS		B	

Notes

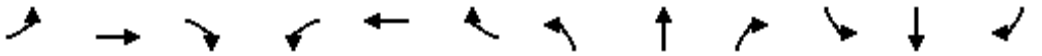
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	97	209	38	69	564	57	99	101	39	23	153	328
Future Volume (veh/h)	97	209	38	69	564	57	99	101	39	23	153	328
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.95	0.98		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	105	227	41	75	613	62	108	110	42	25	166	357
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	133	1293	229	97	683	69	189	400	153	58	182	365
Arrive On Green	0.07	0.43	0.43	0.05	0.41	0.41	0.35	0.35	0.35	0.35	0.35	0.35
Sat Flow, veh/h	1781	3006	533	1781	1668	169	298	1153	440	38	525	1053
Grp Volume(v), veh/h	105	132	136	75	0	675	108	0	152	548	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1763	1781	0	1837	298	0	1594	1616	0	0
Q Serve(g_s), s	4.9	3.9	4.0	3.5	0.0	28.8	0.9	0.0	5.8	14.4	0.0	0.0
Cycle Q Clear(g_c), s	4.9	3.9	4.0	3.5	0.0	28.8	29.1	0.0	5.8	28.2	0.0	0.0
Prop In Lane	1.00		0.30	1.00		0.09	1.00		0.28	0.05		0.65
Lane Grp Cap(c), veh/h	133	764	758	97	0	753	189	0	552	605	0	0
V/C Ratio(X)	0.79	0.17	0.18	0.78	0.00	0.90	0.57	0.00	0.28	0.91	0.00	0.00
Avail Cap(c_a), veh/h	161	772	766	216	0	855	189	0	552	605	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	38.2	14.7	14.8	39.2	0.0	23.1	29.0	0.0	19.8	27.1	0.0	0.0
Incr Delay (d2), s/veh	15.5	0.1	0.1	4.9	0.0	11.6	2.6	0.0	0.1	17.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.7	1.5	1.5	1.6	0.0	14.0	2.3	0.0	2.1	13.1	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	53.7	14.8	14.9	44.1	0.0	34.8	31.6	0.0	19.9	44.1	0.0	0.0
LnGrp LOS	D	B	B	D	A	C	C	A	B	D	A	A
Approach Vol, veh/h		373			750			260			548	
Approach Delay, s/veh		25.8			35.7			24.8			44.1	
Approach LOS		C			D			C			D	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.0	41.0		34.0	10.7	39.3		34.0				
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9				
Max Green Setting (Gmax), s	10.2	36.5		29.1	7.6	39.1		29.1				
Max Q Clear Time (g_c+I1), s	5.5	6.0		30.2	6.9	30.8		31.1				
Green Ext Time (p_c), s	0.0	1.5		0.0	0.0	3.6		0.0				

Intersection Summary			
HCM 6th Ctrl Delay		34.7	
HCM 6th LOS		C	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	87	228	118	137	980	341	0	7	74	121	540	139
Future Volume (veh/h)	87	228	118	137	980	341	0	7	74	121	540	139
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	93	243	126	146	1043	363	0	7	0	129	574	148
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	119	1309	456	187	1445	635	3	310		167	909	506
Arrive On Green	0.07	0.37	0.37	0.10	0.41	0.41	0.00	0.09	0.00	0.09	0.26	0.26
Sat Flow, veh/h	1781	3554	1560	1781	3554	1562	1781	3554	1585	1781	3554	1562
Grp Volume(v), veh/h	93	243	126	146	1043	363	0	7	0	129	574	148
Grp Sat Flow(s),veh/h/ln	1781	1777	1560	1781	1777	1562	1781	1777	1585	1781	1777	1562
Q Serve(g_s), s	3.0	2.7	8.1	4.7	14.5	10.6	0.0	0.1	0.0	4.2	8.4	4.2
Cycle Q Clear(g_c), s	3.0	2.7	8.1	4.7	14.5	10.6	0.0	0.1	0.0	4.2	8.4	4.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	119	1309	456	187	1445	635	3	310		167	909	506
V/C Ratio(X)	0.78	0.19	0.28	0.78	0.72	0.57	0.00	0.02		0.77	0.63	0.29
Avail Cap(c_a), veh/h	170	1309	456	397	1598	702	158	1156		261	1362	704
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	27.0	12.6	57.0	25.6	14.6	13.5	0.0	24.5	0.0	26.0	19.4	14.9
Incr Delay (d2), s/veh	8.4	0.1	0.5	2.7	1.7	1.4	0.0	0.0	0.0	10.3	1.0	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	1.0	3.2	2.0	5.4	3.4	0.0	0.0	0.0	2.1	3.3	1.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	35.3	12.7	57.6	28.3	16.4	14.8	0.0	24.5	0.0	36.3	20.4	15.3
LnGrp LOS	D	B	E	C	B	B	A	C		D	C	B
Approach Vol, veh/h		462			1552			7	A		851	
Approach Delay, s/veh		29.5			17.1			24.5			22.0	
Approach LOS		C			B			C			C	

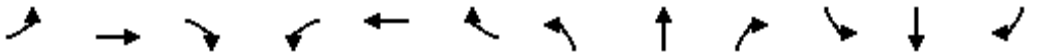
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.9	10.0	10.6	28.2	0.0	19.9	8.3	30.5
Change Period (Y+Rc), s	4.4	4.9	4.4	* 6.6	4.4	4.9	4.4	6.6
Max Green Setting (Gmax), s	8.6	19.1	13.1	* 19	5.2	22.5	5.6	26.4
Max Q Clear Time (g_c+I1), s	6.2	2.1	6.7	10.1	0.0	10.4	5.0	16.5
Green Ext Time (p_c), s	0.1	0.0	0.1	1.9	0.0	4.6	0.0	7.4

Intersection Summary	
HCM 6th Ctrl Delay	20.6
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.



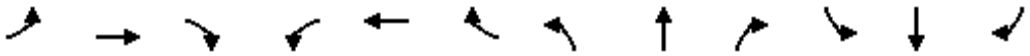
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	443	1036	15	31	191	44	14	174	66	36	77	192
Future Volume (veh/h)	443	1036	15	31	191	44	14	174	66	36	77	192
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.95	0.99		0.89	0.95		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	482	1126	16	34	208	48	15	189	72	39	84	209
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	518	1430	20	48	386	87	371	461	176	187	374	573
Arrive On Green	0.29	0.40	0.40	0.03	0.14	0.14	0.37	0.37	0.37	0.37	0.37	0.37
Sat Flow, veh/h	1781	3584	51	1781	2850	639	1080	1245	474	332	1008	1545
Grp Volume(v), veh/h	482	558	584	34	127	129	15	0	261	123	0	209
Grp Sat Flow(s),veh/h/ln	1781	1777	1858	1781	1777	1712	1080	0	1719	1339	0	1545
Q Serve(g_s), s	19.4	20.3	20.3	1.4	4.9	5.2	0.8	0.0	8.3	0.4	0.0	7.3
Cycle Q Clear(g_c), s	19.4	20.3	20.3	1.4	4.9	5.2	9.5	0.0	8.3	8.7	0.0	7.3
Prop In Lane	1.00		0.03	1.00		0.37	1.00		0.28	0.32		1.00
Lane Grp Cap(c), veh/h	518	709	741	48	241	232	371	0	637	561	0	573
V/C Ratio(X)	0.93	0.79	0.79	0.70	0.53	0.55	0.04	0.00	0.41	0.22	0.00	0.36
Avail Cap(c_a), veh/h	524	1066	1115	138	686	661	482	0	815	716	0	732
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	25.5	19.4	19.4	35.6	29.7	29.8	20.9	0.0	17.2	15.8	0.0	16.9
Incr Delay (d2), s/veh	23.0	2.0	1.9	6.7	2.1	2.4	0.0	0.0	0.2	0.1	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	11.0	8.1	8.4	0.7	2.2	2.2	0.2	0.0	3.1	1.3	0.0	2.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	48.5	21.4	21.3	42.3	31.8	32.2	20.9	0.0	17.4	15.8	0.0	17.1
LnGrp LOS	D	C	C	D	C	C	C	A	B	B	A	B
Approach Vol, veh/h		1624			290			276			332	
Approach Delay, s/veh		29.4			33.2			17.6			16.6	
Approach LOS		C			C			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	6.4	35.2		32.3	25.9	15.7		32.3				
Change Period (Y+Rc), s	4.4	5.7		4.9	4.4	* 5.7		4.9				
Max Green Setting (Gmax), s	5.7	44.3		35.0	21.7	* 29		35.0				
Max Q Clear Time (g_c+I1), s	3.4	22.3		10.7	21.4	7.2		11.5				
Green Ext Time (p_c), s	0.0	7.0		0.9	0.0	1.6		1.1				

Intersection Summary			
HCM 6th Ctrl Delay		26.9	
HCM 6th LOS		C	

Notes

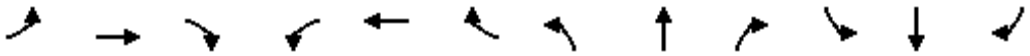
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	96	1008	15	32	228	16	16	80	57	19	24	16
Future Volume (veh/h)	96	1008	15	32	228	16	16	80	57	19	24	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		0.96	1.00		0.81	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	108	1133	17	36	256	18	18	90	64	21	27	18
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	137	1272	19	46	1023	71	52	262	186	52	67	45
Arrive On Green	0.08	0.36	0.36	0.03	0.30	0.30	0.31	0.31	0.31	0.09	0.09	0.09
Sat Flow, veh/h	1781	3580	54	1781	3358	234	167	834	593	551	709	472
Grp Volume(v), veh/h	108	562	588	36	134	140	172	0	0	66	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1857	1781	1777	1815	1595	0	0	1732	0	0
Q Serve(g_s), s	5.5	27.6	27.6	1.9	5.3	5.4	7.7	0.0	0.0	3.3	0.0	0.0
Cycle Q Clear(g_c), s	5.5	27.6	27.6	1.9	5.3	5.4	7.7	0.0	0.0	3.3	0.0	0.0
Prop In Lane	1.00		0.03	1.00		0.13	0.10		0.37	0.32		0.27
Lane Grp Cap(c), veh/h	137	631	660	46	541	553	501	0	0	164	0	0
V/C Ratio(X)	0.79	0.89	0.89	0.77	0.25	0.25	0.34	0.00	0.00	0.40	0.00	0.00
Avail Cap(c_a), veh/h	287	656	686	100	541	553	535	0	0	563	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	42.0	28.2	28.2	44.8	24.2	24.3	24.4	0.0	0.0	39.5	0.0	0.0
Incr Delay (d2), s/veh	3.8	14.3	13.8	9.8	0.3	0.3	0.2	0.0	0.0	0.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.5	13.8	14.3	0.9	2.2	2.3	2.9	0.0	0.0	1.4	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	45.8	42.5	42.0	54.6	24.6	24.6	24.6	0.0	0.0	40.0	0.0	0.0
LnGrp LOS	D	D	D	D	C	C	C	A	A	D	A	A
Approach Vol, veh/h		1258			310			172			66	
Approach Delay, s/veh		42.6			28.1			24.6			40.0	
Approach LOS		D			C			C			D	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	6.8	38.1		13.7	11.5	33.4		34.0				
Change Period (Y+Rc), s	4.4	5.2		4.9	4.4	5.2		4.9				
Max Green Setting (Gmax), s	5.2	34.2		30.1	14.9	24.5		31.1				
Max Q Clear Time (g_c+I1), s	3.9	29.6		5.3	7.5	7.4		9.7				
Green Ext Time (p_c), s	0.0	3.3		0.2	0.1	1.9		0.7				

Intersection Summary			
HCM 6th Ctrl Delay		38.3	
HCM 6th LOS		D	



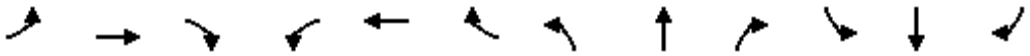
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	109	325	24	22	76	239	11	399	151	462	181	36
Future Volume (veh/h)	109	325	24	22	76	239	11	399	151	462	181	36
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.98		0.97	1.00		0.95	1.00		0.88	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1796	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	118	353	26	24	83	260	12	434	164	502	197	39
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	296	742	54	219	788	784	21	734	272	541	1751	339
Arrive On Green	0.22	0.22	0.22	0.22	0.22	0.22	0.01	0.30	0.30	0.30	0.59	0.59
Sat Flow, veh/h	1017	3349	245	999	3554	1452	1781	2438	905	1781	2952	571
Grp Volume(v), veh/h	118	186	193	24	83	260	12	314	284	502	117	119
Grp Sat Flow(s),veh/h/ln	1017	1777	1818	999	1777	1452	1781	1777	1567	1781	1777	1746
Q Serve(g_s), s	8.4	7.3	7.4	1.7	1.5	8.3	0.5	12.0	12.4	21.9	2.3	2.4
Cycle Q Clear(g_c), s	9.9	7.3	7.4	9.1	1.5	8.3	0.5	12.0	12.4	21.9	2.3	2.4
Prop In Lane	1.00		0.13	1.00		1.00	1.00		0.58	1.00		0.33
Lane Grp Cap(c), veh/h	296	394	403	219	788	784	21	535	472	541	1054	1036
V/C Ratio(X)	0.40	0.47	0.48	0.11	0.11	0.33	0.58	0.59	0.60	0.93	0.11	0.12
Avail Cap(c_a), veh/h	464	687	703	384	1374	1024	233	585	516	647	1054	1036
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.8	27.1	27.2	31.1	24.9	11.0	39.4	23.8	23.9	27.0	7.1	7.1
Incr Delay (d2), s/veh	0.3	0.3	0.3	0.1	0.0	0.1	9.0	3.2	3.9	16.5	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	3.0	3.1	0.4	0.6	2.5	0.3	5.3	4.9	11.3	0.8	0.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	29.1	27.5	27.5	31.2	24.9	11.1	48.4	27.0	27.9	43.6	7.2	7.2
LnGrp LOS	C	C	C	C	C	B	D	C	C	D	A	A
Approach Vol, veh/h		497			367			610			738	
Approach Delay, s/veh		27.9			15.5			27.8			31.9	
Approach LOS		C			B			C			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	28.4	28.9		22.9	4.9	52.4		22.9				
Change Period (Y+Rc), s	4.0	* 4.8		5.1	4.0	* 4.8		5.1				
Max Green Setting (Gmax), s	29.1	* 26		31.0	10.5	* 45		31.0				
Max Q Clear Time (g_c+I1), s	23.9	14.4		11.9	2.5	4.4		11.1				
Green Ext Time (p_c), s	0.5	5.6		1.7	0.0	2.0		0.9				

Intersection Summary			
HCM 6th Ctrl Delay		27.2	
HCM 6th LOS		C	

Notes

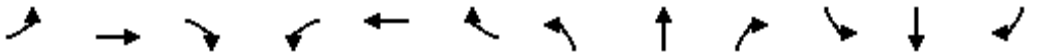
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	122	557	115	140	368	118	26	152	63	43	195	111
Future Volume (veh/h)	122	557	115	140	368	118	26	152	63	43	195	111
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.99	0.99		0.93	0.96		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	128	586	121	147	387	124	27	160	66	45	205	117
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	165	1036	213	189	499	160	132	632	239	107	288	151
Arrive On Green	0.09	0.36	0.36	0.11	0.37	0.37	0.29	0.29	0.29	0.29	0.29	0.29
Sat Flow, veh/h	1781	2916	600	1781	1352	433	194	2213	837	123	1008	529
Grp Volume(v), veh/h	128	356	351	147	0	511	137	0	116	367	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1739	1781	0	1785	1773	0	1471	1660	0	0
Q Serve(g_s), s	3.9	9.1	9.1	4.5	0.0	14.2	0.0	0.0	3.4	5.1	0.0	0.0
Cycle Q Clear(g_c), s	3.9	9.1	9.1	4.5	0.0	14.2	3.2	0.0	3.4	11.2	0.0	0.0
Prop In Lane	1.00		0.35	1.00		0.24	0.20		0.57	0.12		0.32
Lane Grp Cap(c), veh/h	165	631	618	189	0	658	583	0	420	546	0	0
V/C Ratio(X)	0.78	0.56	0.57	0.78	0.00	0.78	0.23	0.00	0.28	0.67	0.00	0.00
Avail Cap(c_a), veh/h	368	1106	1082	438	0	1181	903	0	711	865	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	24.9	14.6	14.6	24.4	0.0	15.7	15.4	0.0	15.5	18.2	0.0	0.0
Incr Delay (d2), s/veh	2.9	0.7	0.7	2.6	0.0	2.7	0.1	0.0	0.1	0.5	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	3.3	3.3	1.9	0.0	5.5	1.2	0.0	1.1	3.9	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	27.8	15.3	15.3	27.0	0.0	18.3	15.5	0.0	15.7	18.8	0.0	0.0
LnGrp LOS	C	B	B	C	A	B	B	A	B	B	A	A
Approach Vol, veh/h		835			658			253			367	
Approach Delay, s/veh		17.2			20.3			15.6			18.8	
Approach LOS		B			C			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.3	24.8		20.9	9.6	25.6		20.9				
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9				
Max Green Setting (Gmax), s	13.8	34.9		27.1	11.6	37.1		27.1				
Max Q Clear Time (g_c+I1), s	6.5	11.1		13.2	5.9	16.2		5.4				
Green Ext Time (p_c), s	0.1	4.3		1.4	0.1	4.5		1.0				

Intersection Summary			
HCM 6th Ctrl Delay		18.2	
HCM 6th LOS		B	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	160	918	28	11	198	337	107	620	84	238	154	132
Future Volume (veh/h)	160	918	28	11	198	337	107	620	84	238	154	132
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.97	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	174	998	30	12	215	366	116	674	0	259	167	143
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	209	1286	692	21	910	396	147	786		297	1087	664
Arrive On Green	0.12	0.36	0.36	0.01	0.26	0.26	0.08	0.22	0.00	0.17	0.31	0.31
Sat Flow, veh/h	1781	3554	1550	1781	3554	1544	1781	3554	1585	1781	3554	1563
Grp Volume(v), veh/h	174	998	30	12	215	366	116	674	0	259	167	143
Grp Sat Flow(s),veh/h/ln	1781	1777	1550	1781	1777	1544	1781	1777	1585	1781	1777	1563
Q Serve(g_s), s	8.1	21.2	0.9	0.6	4.1	19.7	5.4	15.5	0.0	12.1	2.9	5.0
Cycle Q Clear(g_c), s	8.1	21.2	0.9	0.6	4.1	19.7	5.4	15.5	0.0	12.1	2.9	5.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	209	1286	692	21	910	396	147	786		297	1087	664
V/C Ratio(X)	0.83	0.78	0.04	0.58	0.24	0.93	0.79	0.86		0.87	0.15	0.22
Avail Cap(c_a), veh/h	240	1286	692	107	917	399	259	859		326	1087	664
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	36.8	24.1	13.4	41.9	25.1	30.9	38.4	31.9	0.0	34.6	21.5	15.6
Incr Delay (d2), s/veh	17.1	3.3	0.0	9.2	0.2	27.6	3.6	8.1	0.0	21.3	0.1	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.5	9.1	0.3	0.3	1.7	10.1	2.5	7.4	0.0	6.9	1.2	1.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	53.8	27.4	13.5	51.1	25.3	58.5	42.0	40.0	0.0	55.9	21.6	15.8
LnGrp LOS	D	C	B	D	C	E	D	D		E	C	B
Approach Vol, veh/h		1202			593			790	A		569	
Approach Delay, s/veh		30.9			46.3			40.3			35.8	
Approach LOS		C			D			D			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	18.6	23.8	5.4	37.5	11.4	31.0	14.4	28.4
Change Period (Y+Rc), s	4.4	4.9	4.4	* 6.6	4.4	4.9	4.4	6.6
Max Green Setting (Gmax), s	15.6	20.6	5.1	* 29	12.4	23.8	11.5	22.0
Max Q Clear Time (g_c+I1), s	14.1	17.5	2.6	23.2	7.4	7.0	10.1	21.7
Green Ext Time (p_c), s	0.2	1.3	0.0	3.9	0.1	1.9	0.0	0.1

Intersection Summary	
HCM 6th Ctrl Delay	37.0
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR] is excluded from calculations of the approach delay and intersection delay.

APPENDIX H

YEAR 2035 BASE (WITHOUT PROJECT) HCM FREEWAY CALCULATION SHEETS

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HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-5 NB: Imperial Ave to SR-94		

Geometric Data

Number of Lanes (N), ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	66.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	11600	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2468
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2345
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2270
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.09
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	9.2	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-5 SB: SR-94 to Imperial Ave		

Geometric Data

Number of Lanes (N), ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	66.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	10200	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2170
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2345
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2270
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.96
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	53.3
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	40.7
Total Ramp Density Adjustment	9.2	Level of Service (LOS)	E
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-5 NB: SR-75 to Imperial Ave		

Geometric Data

Number of Lanes (N), ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	66.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	10400	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2213
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2345
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2270
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.97
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	52.1
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	42.5
Total Ramp Density Adjustment	9.2	Level of Service (LOS)	E
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-5 SB: Imperial Ave to SR-75		

Geometric Data

Number of Lanes (N), ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	66.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	9700	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2064
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2345
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2270
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.91
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	55.9
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	36.9
Total Ramp Density Adjustment	9.2	Level of Service (LOS)	E
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-5 NB: 28th Street to SR-75		

Geometric Data

Number of Lanes (N), ln	6	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.67
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.8
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	11900	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2110
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2342
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2267
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.93
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	54.7
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	38.6
Total Ramp Density Adjustment	9.6	Level of Service (LOS)	E
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.2		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-5 SB: SR-75 to 28th Street		

Geometric Data

Number of Lanes (N), ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.67
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.8
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	9500	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2021
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2342
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2267
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.89
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	56.8
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	35.6
Total Ramp Density Adjustment	9.6	Level of Service (LOS)	E
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.2		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-5 NB: SR-15 to 28th Street		

Geometric Data

Number of Lanes (N), ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	66.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	11000	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2926
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2345
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2270
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.29
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	9.2	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-5 SB: 28th Street to SR-15		

Geometric Data

Number of Lanes (N), ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	66.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	8800	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2340
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2345
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2270
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.03
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	9.2	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-5 NB: Main Street to SR-15		

Geometric Data

Number of Lanes (N), ln	6	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	66.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	13700	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2429
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2345
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2270
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.07
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	9.2	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-5 SB: SR-15 to Main Street		

Geometric Data

Number of Lanes (N), ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	66.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	13200	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2809
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2345
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2270
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.24
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	9.2	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-15 NB: Market Street to SR-94		

Geometric Data

Number of Lanes (N), ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	2.90
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	67.5
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	6100	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	1622
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2358
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2283
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.71
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	64.1
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	25.3
Total Ramp Density Adjustment	7.9	Level of Service (LOS)	C
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.8		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-15 SB: SR-94 to Market Street		

Geometric Data

Number of Lanes (N), ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	2.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	68.4
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	6800	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	1808
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2367
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2291
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.79
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	62.2
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	29.1
Total Ramp Density Adjustment	7.0	Level of Service (LOS)	D
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	66.7		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-15 NB: Ocean View Boulevard to Market Street		

Geometric Data

Number of Lanes (N), ln	3	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	2.30
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	68.9
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	6700	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2376
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2372
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2296
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.03
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	6.5	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	67.2		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-15 SB: Market Street to Ocean View Boulevard		

Geometric Data

Number of Lanes (N), ln	3	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	2.30
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	68.9
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	7200	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2553
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2372
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2296
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.11
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	6.5	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	67.2		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-15 NB: I-5 to Ocean View Boulevard		

Geometric Data

Number of Lanes (N), ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	2.60
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	68.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	5500	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	1463
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2365
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2289
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.64
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	65.9
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	22.2
Total Ramp Density Adjustment	7.2	Level of Service (LOS)	C
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	66.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-15 SB: Ocean View Boulevard to I-5		

Geometric Data

Number of Lanes (N), ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	2.35
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	68.8
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	5500	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	1170
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2371
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2295
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.51
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	67.1
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	17.4
Total Ramp Density Adjustment	6.6	Level of Service (LOS)	B
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	67.1		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-15 NB: Norman Scott Road to I-5		

Geometric Data

Number of Lanes (N), ln	2	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	67.3
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	1400	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	744
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2356
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2281
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.33
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	65.6
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	11.3
Total Ramp Density Adjustment	8.1	Level of Service (LOS)	B
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.6		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-15 NB: I-5 to Norman Scott Road		

Geometric Data

Number of Lanes (N), ln	2	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	67.3
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	1300	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	692
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2356
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2281
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.30
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	65.6
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	10.5
Total Ramp Density Adjustment	8.1	Level of Service (LOS)	A
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.6		

APPENDIX I

YEAR 2035 BASE + PROJECT HCM FREEWAY CALCULATION SHEETS

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HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-5 NB: Imperial Ave to SR-94		

Geometric Data

Number of Lanes (N), ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	66.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	11700	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2489
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2345
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2270
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.10
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	9.2	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-5 SB: SR-94 to Imperial Ave		

Geometric Data

Number of Lanes (N), ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	66.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	10200	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2170
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2345
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2270
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.96
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	53.3
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	40.7
Total Ramp Density Adjustment	9.2	Level of Service (LOS)	E
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-5 NB: SR-75 to Imperial Ave		

Geometric Data

Number of Lanes (N), ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	66.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	10500	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2234
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2345
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2270
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.98
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	51.5
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	43.4
Total Ramp Density Adjustment	9.2	Level of Service (LOS)	E
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-5 SB: Imperial Ave to SR-75		

Geometric Data

Number of Lanes (N), ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	66.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	9700	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2064
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2345
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2270
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.91
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	55.9
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	36.9
Total Ramp Density Adjustment	9.2	Level of Service (LOS)	E
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-5 NB: 28th Street to SR-75		

Geometric Data

Number of Lanes (N), ln	6	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.67
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.8
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	11900	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2110
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2342
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2267
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.93
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	54.7
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	38.6
Total Ramp Density Adjustment	9.6	Level of Service (LOS)	E
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.2		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-5 SB: SR-75 to 28th Street		

Geometric Data

Number of Lanes (N), ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.67
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.8
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	9500	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2021
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2342
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2267
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.89
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	56.8
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	35.6
Total Ramp Density Adjustment	9.6	Level of Service (LOS)	E
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.2		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-5 NB: SR-15 to 28th Street		

Geometric Data

Number of Lanes (N), ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	66.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	11100	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2952
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2345
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2270
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.30
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	9.2	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-5 SB: 28th Street to SR-15		

Geometric Data

Number of Lanes (N), ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	66.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	8800	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2340
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2345
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2270
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.03
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	9.2	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-5 NB: Main Street to SR-15		

Geometric Data

Number of Lanes (N), ln	6	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	66.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	13800	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2447
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2345
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2270
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.08
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	9.2	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-5 SB: SR-15 to Main Street		

Geometric Data

Number of Lanes (N), ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	66.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	13200	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2809
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2345
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2270
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.24
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	9.2	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	64.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-15 NB: Market Street to SR-94		

Geometric Data

Number of Lanes (N), ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	2.90
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	67.5
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	6200	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	1649
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2358
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2283
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.72
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	63.8
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	25.8
Total Ramp Density Adjustment	7.9	Level of Service (LOS)	C
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.8		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-15 SB: SR-94 to Market Street		

Geometric Data

Number of Lanes (N), ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	2.50
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	68.4
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	6900	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	1835
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2367
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2291
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.80
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	61.7
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	29.7
Total Ramp Density Adjustment	7.0	Level of Service (LOS)	D
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	66.7		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-15 NB: Ocean View Boulevard to Market Street		

Geometric Data

Number of Lanes (N), ln	3	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	2.30
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	68.9
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	6800	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2411
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2372
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2296
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.05
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	6.5	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	67.2		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-15 SB: Market Street to Ocean View Boulevard		

Geometric Data

Number of Lanes (N), ln	3	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	2.30
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	68.9
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	7300	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	2589
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2372
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2296
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.13
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	6.5	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	67.2		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-15 NB: I-5 to Ocean View Boulevard		

Geometric Data

Number of Lanes (N), ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	2.60
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	68.2
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	5600	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	1489
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2365
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2289
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.65
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	65.7
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	22.7
Total Ramp Density Adjustment	7.2	Level of Service (LOS)	C
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	66.5		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-15 SB: Ocean View Boulevard to I-5		

Geometric Data

Number of Lanes (N), ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	2.35
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	68.8
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	5600	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	1191
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2371
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2295
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.52
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	67.1
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	17.7
Total Ramp Density Adjustment	6.6	Level of Service (LOS)	B
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	67.1		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	PM Peak Hour
Project Description	I-15 NB: Norman Scott Road to I-5		

Geometric Data

Number of Lanes (N), ln	2	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	67.3
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	1400	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	744
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2356
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2281
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.33
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	65.6
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	11.3
Total Ramp Density Adjustment	8.1	Level of Service (LOS)	B
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.6		

HCS7 Basic Freeway Report

Project Information

Analyst	LLG	Date	10/1/2019
Agency		Analysis Year	Year 2035 + Project
Jurisdiction	Caltrans	Time Period Analyzed	AM Peak Hour
Project Description	I-15 NB: I-5 to Norman Scott Road		

Geometric Data

Number of Lanes (N), ln	2	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	75.4	Total Ramp Density (TRD), ramps/mi	3.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	67.3
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	Mostly Familiar	Final Speed Adjustment Factor (SAF)	0.975
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	0.968
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Volume (V), veh/h	1400	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor (PHF)	0.94	Flow Rate (v_p), pc/h/ln	744
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2356
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2281
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.33
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	65.6
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	11.3
Total Ramp Density Adjustment	8.1	Level of Service (LOS)	B
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.6		

APPENDIX J

CITY OF SAN DIEGO SIGNIFICANCE CRITERIA

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O. TRANSPORTATION / CIRCULATION and PARKING

Note: This section is to be applied for projects deemed complete on or after January 1, 2007. For projects deemed complete prior to January 1, 2007, the following Section O.1. on Page 73 is to be applied.

Project-related traffic impacts are one of the most commonly identified environmental impacts under the CEQA. Traffic operations and safety impacts are addressed in this section. Other environmental impacts associated with project- related traffic and transportation infrastructure improvements (e.g., air quality, noise, biology) are addressed in the applicable sections of this manual which pertain to such issues.

Direct traffic impacts are those projected to occur at the time a proposed development becomes operational, including other developments not presently operational but which are anticipated to be operational at that time (near term).

Cumulative traffic impacts are those projected to occur at some point after a proposed development becomes operational, such as during subsequent phases of a project and when additional proposed developments in the area become operational (short-term cumulative) or when the affected community plan area reaches full planned build out (long-term cumulative).

It is possible that a project's near term (direct) impacts may be reduced in the long term, as future projects develop and provide additional roadway improvements (for instance, through implementation of traffic phasing plans). In such a case, the project may have direct impacts but not contribute considerably to a cumulative impact.

For intersections and roadway segments affected by a project, level of service (LOS) D or better is considered acceptable under both direct and cumulative conditions.

INITIAL STUDY CHECKLIST QUESTIONS

The following are taken from the City's Initial Study Checklist. They provide guidance on determining the potential significance of impacts to transportation, circulation systems, and parking:

Would the proposal result in:

1. Traffic generation in excess of specific community plan allocation?
2. An increase in projected traffic which is substantial (see table on following page) in relation to the existing traffic load and capacity of the street system?
3. Addition of a substantial amount of traffic to a congested freeway segment, interchange, or ramp as shown in the table on the next page?
4. An increased demand for off-site parking?
5. Effects on existing parking?
6. Substantial impact upon existing or planned transportation systems?
7. Substantial alterations to present circulation movements including effects on existing public access to beaches, parks, or other open space areas?

8. Increase in traffic hazards for motor vehicles, bicyclists or pedestrians due to a proposed, non-standard design feature (e.g., poor sight distance or driveway onto an access-restricted roadway)?
9. A conflict with adopted policies, plans or programs supporting alternative transportation models (e.g., bus turnouts, bicycle racks)?

SIGNIFICANCE THRESHOLDS

The following thresholds have been established to determine significant traffic impacts:

1. If any intersection, roadway segment, or freeway segment affected by a project would operate at LOS E or F under either direct or cumulative conditions, the impact would be significant if the project exceeds the thresholds shown in the table below.

2. At any ramp meter location with delays above 15 minutes, the impact would be significant if the project exceeds the thresholds shown in the table below.

3. If a project would add a substantial amount of traffic to a congested freeway segment, interchange, or ramp, the impact may be significant.

4. Addition of a substantial amount of traffic to a congested freeway segment, interchange, or ramp as shown in the table below?

5. If a project would increase traffic hazards to motor vehicles, bicyclists or pedestrians due to proposed non-standard design features (e.g., poor sight distance, proposed driveway onto an access-restricted roadway), the impact would be significant. Note: analysts should refer readers to a discussion of this issue in the Health and Safety section of the environmental document.

5. If a project would result in the construction of a roadway which is inconsistent with the General Plan and/or a community plan, the impact would be significant if the proposed roadway would not properly align with other existing or planned roadways.

6. If a project would result in a substantial restriction in access to publicly or privately owned land, the impact would be significant.

Level of Service with Project *	**Allowable Change Due To Project Impact ****					
	Freeways		**Roadway Segments**		**Intersections**	**Ramp Metering**
	V/C	***Speed (mph)***	***V/C***	***Speed (mph)***	***Delay (sec.)***	***Delay (min.)***
E (or ramp meter delays above 15 min.)	0.010	1.0	0.02	1.0	2.0	2.0
F (or ramp meter delays above 15 min.)	0.005	0.5	0.01	0.5	1.0	1.0

Note 1: The allowable increase in delay at a ramp meter with more than 15 minutes delay and freeway LOS E is 2 minutes.

Note 2: The allowable increase in delay at a ramp meter with more than 15 minutes delay and freeway LOS F is 1 minute.

* All LOS measurements are based upon Highway Capacity Manual procedures for peak-hour conditions. However, V/C ratios for roadway segments are estimated on an ADT/24-hour traffic volume basis (using Table 2 of the City's Traffic Impact Study Manual. The acceptable LOS for freeways, roadways, and intersections is generally "D" ("C" for undeveloped locations). For metered freeway ramps, LOS does not apply. However, ramp meter delays above 15 minutes are considered excessive.

** If a proposed project's traffic causes the values shown in the table to be exceeded, the impacts are determined to be significant. The project applicant shall then identify feasible improvements (within the Traffic Impact Study) that will restore/and maintain the traffic facility at an acceptable LOS. If the LOS with the proposed project becomes unacceptable (see above * note), or if the project adds a significant amount of peak-hour trips to cause any traffic queues to exceed on- or off-ramp storage capacities, the project applicant shall be responsible for mitigating the project's direct significant and/or cumulatively considerable traffic impacts.

KEY: Delay = Average control delay per vehicle measured in seconds for intersections, or minutes for ramp meters
LOS = Level of Service
Speed = Speed measured in miles per hour
V/C = Volume to Capacity ratio

PARKING

Parking requirements vary by land use and location and are dictated by the City of San Diego Municipal Code and adopted by the City Council policies.

SIGNIFICANCE THRESHOLDS

Non-compliance with the City's parking ordinance does not necessarily constitute a significant environmental impact. However, it can lead to a decrease in the availability of existing public parking in the vicinity of the project. Generally, if a project is deficient by more than ten percent of the required amount of parking and at least one of the following criteria applies, then a significant impact may result:

1. The project's parking shortfall or displacement of existing parking would substantially affect the availability of parking in an adjacent residential area, including the availability of public parking.

2. The parking deficiency would severely impede the accessibility of a public facility, such as a park or beach.