

Appendix G

FAA Determination of No Hazard to Air Navigation

**Phase I Environmental Site
Assessment Collinsville Wind Project
Property**



August 21, 2013

Subject: Confidentiality of Certain Reference Documents

To Whom It May Concern:

The attached report, Phase 1 Environmental Site Assessment for the Collinsville Wind Project Property, Solano County, California, prepared for SMUD by URS Corporation, dated October 18, 2012, contains references to an archeological report, Archeological Survey and Geoaicheological Sensitivity Report for the Proposed PG&E Collinsville Wind Project, Solano County, Whitaker, Adrian R., and Phillip Kaijankoski, 2012 that is protected under a confidentiality agreement and that further may be withheld from disclosure by public records act requests in accordance with the California Public Records Act (PRC 6254.10).

Sincerely,

A handwritten signature in black ink that reads "Gary W. Lawson". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Gary W. Lawson
Supervisor Energy Commodity Contracts

Attachment

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
COLLINSVILLE WIND PROJECT PROPERTY
SOLANO COUNTY, CALIFORNIA**

Prepared for:

Sacramento Municipal Utility District
6201 S Street
Sacramento, California 95852-1830

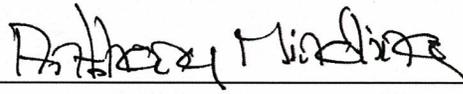
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URS Project No. 17326893.10000

October 18, 2012

Prepared by:



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APPENDICES

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ACRONYMS

AAI	all appropriate inquiries
ASTM	American Society for Testing and Materials
bgs	below ground surface
EDR	Environmental Data Resources, Inc.
EPA	United States Environmental Protection Agency
ESA	environmental site assessment
FEMA	Federal Emergency Management Agency
pCi/L	picoCuries per liter
PG&E	Pacific Gas and Electric Company
REC	recognized environmental condition
Site	Montezuma Hills region of Solano County, California
SMUD	Sacramento Municipal Utility District
Stantec	Stantec Consulting Corporation
URS	URS Corporation Americas
UST	underground storage tank
µg/L	micrograms per liter

EXECUTIVE SUMMARY

The Sacramento Municipal Utility District (SMUD) retained URS Corporation Americas (URS) to conduct a Phase I Environmental Site Assessment (ESA) of the Collinsville Wind Project property in the Montezuma Hills region of Solano County, California (site). This Phase I ESA was performed in general conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Standard Practice E1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, and the United States Environmental Protection Agency (EPA) standards for all appropriate inquiries (AAI). This Phase I ESA was also performed in conformance with the SMUD Professional Services Contract 4500074231.

The scope of work for this project included a visual inspection of the site, performed on September 26, 2012; interviews with a Pacific Gas and Electric Company (PG&E) representative (site owner), and a SMUD representative (prospective purchaser of the property for use as a wind farm); review of pertinent background and historical information; contact with appropriate regulatory agencies, prior ownership review; review of chemical and waste handling, storage, and disposal practices; observation of land use on surrounding land; review of a regulatory database report; and photographic documentation of the site.

The site consists of approximately 700 acres of land in the Montezuma Hills region of Solano County, California. The southwest corner of the property is located approximately 0.50 mile north of the community of Collinsville, from which it extends approximately 1.75 miles east, and 1.1 miles north. The Sacramento River is located immediately to the south. The site is largely undeveloped land that is used for livestock grazing and dry-land hay farming. Features on the subject property include evidence of a former homestead, a dug well, a barn and adjacent corrals, and overhead power transmission lines. The site is accessible via Stratton Lane and various unimproved roadways.

Based on research performed during this environmental site assessment (ESA), historically, the site has been primarily undeveloped land used for dry farming and livestock grazing. One structure and one former homestead site were observed during the site reconnaissance. The former homestead is documented as Site CA-SOL-284H, the Dadami Homestead (Whitaker and Kajankoski, 2012). The existing structure is an open-sided, dilapidated barn or shade structure for stock. The barn and vicinity are documented as Site CA-SOL-283 (Whitaker and Kajankoski, 2012). Both of these locations are in the central portion of the site, adjacent to and north of Stratton Lane. While residual agricultural chemicals could exist in site soils from historic use of the site for agricultural purposes, the potential presence of these constituents is considered likely to be *de minimis*.

URS has performed a Phase I ESA of the Collinsville Wind Project property located in the Montezuma Hills region of Solano County, California, in general accordance with the scope and limitations of the ASTM Standard Practice E1527-05. Based on the findings of this Phase I ESA, no recognized environmental conditions (RECs) were observed by URS for the site.

While not posing as RECs to the site, the following notable conditions were identified:

- The dilapidated barn in the central portion of the site adjacent to Stratton Lane may have remnants of possible lead-containing paint. A formal survey for lead-in-paint should be performed prior to any renovation and demolition of the structure.
- According to documents reviewed during this ESA, the southern portion of the site contains wetlands vegetation and is within the 500-year floodplain.
- URS observed evidence of a dug well used for stock water. URS recommends appropriate abandonment of any site wells not in use.
- Based on historic topographic maps reviewed during this ESA, the southwestern portion of the site may have been filled with dredge materials from the Sacramento River. The dredged soils could contain industrial constituents originating from upgradient sources. The potential dredged soils are unlikely to pose an environmental concern under the proposed use of the site (wind farming).
- An archeological survey of the site (Whitaker and Kaijankoski, 2012) has identified the locations of possible septic tanks and pit privies in the vicinity of two former homestead sites.

This Executive Summary is presented for convenience only and should not be used in lieu of information presented in the entire report.

1.0 INTRODUCTION

The Sacramento Municipal Utility District (SMUD) retained URS Corporation Americas (URS) to conduct a Phase I Environmental Site Assessment (Phase I ESA) of the Collinsville Wind Project property in the Montezuma Hills region of Solano County, California (site). This Phase I ESA was performed in general conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Standard Practice E1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, and the United States Environmental Protection Agency (EPA) standards for all appropriate inquiries (AAI). This Phase I ESA was also performed in conformance with the SMUD Professional Services Contract 4500074231.

1.1 Purpose

The purpose of this report is to identify recognized environmental conditions (RECs) in connection with the site. The ASTM Standard Practice E1527-05 defines RECs as: *The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures of the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.*

1.2 Scope of Work

The scope of work for this project included the following primary tasks:

- Perform a reconnaissance survey of the subject property consisting of visual observations of existing site conditions and activities, and a drive-by survey of the area within 0.25 mile of the site to observe types of general land use.
- Interview site owners and occupants based on contact provided by SMUD.
- Review pertinent, readily available documents and maps regarding local physiographic and hydrogeologic conditions in the site vicinity.
- Review and interpret available historical reference materials as needed to reasonably establish site historic use, including aerial photographs, Sanborn maps, historic topographic maps, and city directories.
- Conduct inquiries as appropriate, in person, by telephone, or in writing, of appropriate regulatory agencies to obtain information regarding environmental permits, violations or incidents, and/or the status of enforcement actions at the subject property.

- Review and evaluate a federal, state, and local database list search provided by Environmental Data Resources, Inc., (EDR) of known or potential hazardous waste sites or landfills, and properties currently under investigation for environmental violations.
- Perform a limited evaluation of select non-ASTM considerations, including wetlands, asbestos, lead in drinking water, lead in paint, and radon gas.
- Summarize findings in this ESA report.

In accordance with the ASTM standard, this report is valid for 180 days from the date of issuance.

1.3 User Reliance

This report has been prepared for use solely by SMUD and its lenders and affiliates and shall not be relied upon by, or transferred to, any other party or used for any other purpose without the express written authorization of URS.

1.4 Deletions and Deviations

It was the intent of the Phase I ESA to make all appropriate inquiries into the previous ownership and uses of the property, consistent with good commercial or customary practice. Furthermore, it is the intent of this document to permit SMUD to satisfy one of the requirements to qualify for the innocent landowner defense to Comprehensive Environmental Response, Compensation, and Liability Act liability. This Phase I ESA did not deviate from general requirements set forth in the ASTM Standard Practice E1527-05 or EPA's AAI, or no significant data gaps were identified, with the following exception:

- The Pacific Gas and Electric Company (PG&E) has provided contact information for the licensee for livestock grazing and dry-land farming, Mr. Ian Andersen. However, at the time of preparation of this report, URS had been unable to contact and interview Mr. Anderson.

Given the relatively benign nature of the use and the absence of any material storage associated with that use, the data gap is not expected to alter the findings of this ESA.

1.5 Limitations

In evaluating the site, URS also has relied upon representations and information furnished by individuals, agencies, and companies noted in the report with respect to existing operations and property conditions and the historic uses of the property, to the extent that the information obtained has not been contradicted by data obtained from other sources. Accordingly, URS accepts no responsibility for any deficiency, misstatements, or inaccuracy contained in this report as a result of misstatements, omissions, misrepresentations, or fraudulent information provided by the persons interviewed or documents reviewed.

URS' objective is to perform its work with care, exercising the customary thoroughness and competence of earth science, environmental, and engineering consulting professionals, in accordance with the standard for professional services at the time these services are provided.

The opinions expressed are based on the probability of occurrence of environmental-related liability, based on limited information and a limited scope of services. It is important to recognize that even the most comprehensive scope of services may fail to detect environmental conditions and potential liability at a particular site. Therefore, URS cannot act as insurers and cannot “certify or underwrite” that a site is free of environmental contamination, and no expressed or implied representation or warranty is included or intended in this report except that the work was performed within the limits prescribed with the customary thoroughness and competence of the environmental consulting profession.

The passage of time, manifestation of latent conditions, or occurrence of future events may require further site exploration, data analysis, and re-evaluation of the findings, observations, conclusions, and recommendations expressed in this report.

The findings, observations, conclusions, and recommendations expressed by URS in this report are limited by the scope of services and should not be considered an opinion concerning the compliance of any past or current owner or operator of the site with any federal, state, or local law or regulation. No warranty or guarantee, whether express or implied, is made with respect to the data reported or findings, observations, conclusions, and recommendations expressed in this report.

1.6 URS Qualifications

This Phase I ESA was prepared by URS representative Anthony Mindling, a California Registered Professional Geologist. Mr. Mindling has approximately 25 years of experience in providing environmental due diligence services and directing environmental remedial actions. Mr. Mindling meets the AAI definition of an Environmental Professional and, therefore, is qualified to exercise professional judgment to develop opinions and conclusions regarding the presence of releases or threatened releases of hazardous substances.

This Phase I ESA was reviewed by URS representative Scott Allin. Mr. Allin is a California Class II Registered Environmental Assessor. Mr. Allin has approximately 20 years of experience in providing national and international environmental due diligence services and directing environmental remedial actions for various local and state regulatory agencies.

2.0 SITE DESCRIPTION

Site description information was obtained from various sources during this ESA. Figures 1 and 2 in Appendix A show the site location. Appendix B presents photographic documentation of the site and surrounding properties.

2.1 Legal Description

The site is in the Montezuma Hills region of Solano County, California, and consists of approximately 720.57 acres (following final lot line adjustments) and is at an approximate Latitude North 38.0852 and Longitude West 121.8326. According to information provided by SMUD, the assessor's parcel numbers (APNs) for the site are:

Project Name: Collinsville	
Owner: PG&E.	
Project APNs:	
0090-100-130	0090-130-170
0090-130-070	0090-130-180
0090-130-080	0090-130-190
0090-130-090	0090-130-200
0090-130-100	0090-130-220
0090-130-110	0090-130-230
0090-130-120	0090-130-240
0090-130-130	0090-140-110
0090-130-140	0090-140-140
0090-130-150	0090-180-240
0090-130-160	

The following Wind Project APNS are subject to lot line adjustments, which will reduce the size of the parcels to be sold.

Wind Project APNs Subject to Lot Line Adjustment
0090-100-220
0090-100-230
0090-120-080
0090-120-090
0090-130-210

2.2 Improvements

The site is largely undeveloped land used for dry farming and livestock grazing. One structure and one former homestead site were observed during the site reconnaissance. The former homestead is documented as Site CA-SOL-284H, the Dadami Homestead (Whitaker and Kajankoski, 2012). A dug well used to provide stock water is the only remaining improvement at the homestead location (Appendix B, Photo 5). The existing structure is an open-sided, dilapidated barn (Appendix B, Photo 3) or shade structure for stock. The barn and vicinity are documented as Site CA-SOL-283 (Whitaker and Kajankoski, 2012). Both locations are in the central portion of the site, adjacent to and north of Stratton Lane.

2.3 Owner

PG&E currently owns the site, having acquired the property in the 1960s.

2.4 Zoning

According to Mr. Mike Gumby, principal land planner with the PG&E Environmental Planning and Permitting Group, the portion of the site above the 10-foot-elevation contour is zoned agricultural; the portion below the 10-foot-elevation contour is zoned as Marsh Preserve.

2.5 Utilities

Various aboveground electrical transmission lines were observed throughout the site, and are also shown on the EDR Overview Map provided in Appendix A. According to PG&E, there are also SMUD-owned underground utilities. Evidence of septic systems in the vicinity of the former homestead and the barn were reported in the site archeological survey (Whitaker and Kajankoski, 2012).

2.6 Current Use

Currently, the site is currently used for livestock grazing and winter wheat dry-land farming under license from PG&E to Mr. Ian Anderson. PG&E has provided contact information for Mr. Anderson, but at the time of preparation of this report URS had been unable to contact him. Corrals were observed in the vicinity of the barn. Empty containers of Clostridium vaccine and animal marking paint sticks were observed in buckets in the vicinity of the corrals, suggesting that the area has been used for treatment of cattle or livestock. The dilapidated barn in the vicinity of the corrals appears to have no use other than possibly a shade structure for grazing animals. A dug well observed in the vicinity of the former homestead area to the west of the barn and corrals is used to fill adjacent stock watering troughs. No other development indicative of site use was observed.

3.0 REGIONAL DESCRIPTION

Regional information was obtained from the sources listed hereafter and from observations noted during the site reconnaissance.

3.1 Topography

The United States Geological Survey 7.5-minute map of the Antioch North California Quadrangle dated 1978, shows that the property elevation ranges from approximately sea level to 190 feet above sea level and regionally slopes to the south. The topography of most of the site and immediately surrounding properties is characterized as rolling hills. The southern portion of the site, adjacent to the Sacramento River, is relatively flat. Based on information obtained during this ESA, the northern banks of the Sacramento River in this vicinity were subject to reclamation through the deposition of dredged soil during creation of a deep-water shipping channel. The south west corner of the property may include land reclaimed in this manner.

3.2 Surface Water

According to topographic maps reviewed during this ESA and observations during URS' site reconnaissance, three intermittent streams drain the site to the south-southwest into the Sacramento River.

3.3 Floodplains

According to the EDR radius map obtained during this ESA (see Appendix C), most of the site is shown on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map, as being outside of the 500-year floodplain. Portions of the southwestern part of the site, where wetland vegetation exists extending southeast to the Sacramento River, are shown as within the 500-year floodplain. Specific FEMA Community Panel Numbers for the site are provided in the EDR report included in Appendix C.

3.4 Geology

According to a geotechnical study of the site prepared for PG&E (Fugro West, Inc., 2010), the site is underlain largely by the Montezuma Formation, a non-marine sedimentary rock from the Cenozoic era, Quaternary period, consisting of Pliocene and/or Pleistocene sandstone, shale, and gravel deposits, mostly loosely consolidated. The Vaca-Kirby Hills fault extends in a north-northwest/south-southwest direction along the southwestern corner of the site. Appendix C includes the Physical Setting Source Map depicting this fault line. According to Fugro West, Inc., geotechnical study, historical seismicity of the site vicinity of magnitude greater than 5 between 1889 and 2006 is probably associated with this fault. The site is not located within or near a California Geological Survey Fault-Rupture Hazard Zone (Fugro West, Inc., 2010).

According to EDR, site soils have a soil component name of DIABLO. The DIABLO soil has a clay texture, and is in the Class D Hydrologic Group (very slow infiltration rates). According to

the United States Soil Conservation Service, these soils have clay texture from 0 to 2 feet below ground surface (bgs), a silty clay texture from approximately 2 to 4 feet bgs, and weathered bedrock below at depth.

The site generally resides within the Midland Fault Zone. EDR depicts an unnamed fault running in a northeast/southwest orientation on the western portion of the site. Other unnamed faults exist further west of the site.

3.5 Oil and Gas Records

According to EDR, no oil or gas wells are located on subject property.

3.6 Hydrology

According to EDR, no groundwater flow data are available for the site vicinity. No wells are depicted by EDR on the subject property. One dug well was observed on the property in the vicinity of the former homestead adjacent to Stratton Lane. Water in this well (which is at an elevation of approximately 11 feet) was at land surface. According to the Fugro West, Inc., geotechnical report, the water level in their boring B-1 (located at an elevation of approximately 37 feet at the base of the Montezuma Hills in the northwestern portion of the site) was approximately 7 bgs. No groundwater was encountered in higher elevation borings. Based on the topography of the region, it is likely that groundwater movement is in a south-southwest direction, toward the Sacramento River.

3.7 Surrounding Properties

The majority of the surrounding properties consist of undeveloped land used for livestock grazing and wind farming activities. URS observed the following uses during the site reconnaissance:

North: The site is bordered to the north by primarily undeveloped land used for livestock grazing and wind farming. Part of the site's northern boundary is adjacent to Talbert Lane.

South: The site is bordered to the south by Stratton Lane, marshes, and the Sacramento River.

East: The site is bordered to the east by SMUD-owned property and is used for wind farming, livestock grazing, and dry-land farming.

West: The site is bordered to the west by Collinsville Road, residences, and businesses north of the community of Collinsville, and marshes.

No specific environmental concerns were noted for adjacent properties inspected by URS from the public right-of-way. Section 6.0 presents additional discussions regarding off-site environmental conditions.

4.0 SITE AND REGIONAL HISTORY

4.1 Aerial Photographs

URS reviewed aerial photographs of the site and surrounding areas to determine past land uses. The aerial photographs were obtained from EDR, and included the following years: 1937, 1957, 1965, 1970, 1984, 1993, 1998, 2005, and 2006. One to two aerial photographs exist for each date, and some portions of the site are not depicted for all dates. Appendix D includes copies of the aerial photographs, which are summarized below:

1937 - Several farm and residential structures are shown in the Hastings Adobe area on the south side of Stratton Lane, just outside the southern boundary of the site. Several structures, including what appears to be a residence, are shown in the vicinity of the existing barn on the Dadami homestead. Several other scattered residences or farm buildings are visible along both sides of Stratton Lane between Collinsville Road and barn area. Most of the site area north of Stratton Lane appears cultivated, with rows of mown crops on some of the fields.

1957 - Site development and cultivation appear essentially the same as in 1937, with the exception that the number of structures (within the site area) on the north side of Stratton Lane at the Hastings adobe site has been reduced to a single large barn.

1965 - Residences that existed at the two homestead areas are no longer apparent. No other significant changes in site development or use are shown.

1970 - Significant development of what appears to be a fishing resort is located off of the site on the Sacramento River approximately 0.50 mile to the southwest of the existing barn. A dirt road is shown leading to a building on a low hilltop just northwest of three tall structures at the location of radio towers depicted on historical topographic maps. No other significant changes in site development or use are shown.

1984 - The off-site fishing resort development on the Sacramento River remains. Cultivation appears in the same areas of the hills as in previous photographs. The quality of the image is too low to assess other site changes in use or development.

1993 - The coverage of this photo is limited to the areas of the two former homestead areas within the site, and shows no significant change from the previous photograph.

1998 - The development at the off-site fishing resort is significantly reduced. Residences are no longer apparent along Talbert Lane. Wind farm development is visible north of the site, north of Talbert Lane, and east of the site. No other significant site changes are apparent.

2005 - This detailed photograph is limited to the areas of the two former homesteads in the central portion of the site, and shows no change from the previous photograph.

2006 - This photograph, which depicts only the central portion of the site, shows additional wind farm development adjacent and northwest of the site. No other significant changes are shown.

Based on URS' review of aerial photographs, historically, the site has been primarily undeveloped land used for dry farming and livestock grazing. No RECs were identified for the site in the aerial photographs reviewed. While residual agricultural chemicals could exist in site soils from historic use of the site for agricultural purposes, the potential presence of these constituents is considered likely to be *de minimis*.

4.2 Historic Topographic Maps

URS reviewed historic topographic maps of the site and surrounding areas to determine past land uses. The topographic maps were obtained from EDR. The topographic maps reviewed included the years 1908, 1918, 1953, 1968, and 1978, which are summarized below. Appendix D includes copies of the following topographic maps:

1908 - 1918 – The 1908 (Antioch 15-minute series) and 1918 (Collinsville 7.5-minute series) topographic maps show the site and surrounding area as primarily undeveloped land. The site area is labeled *Los Ulpinos*, in reference to an 1844 Mexican land grant known as *Rancho Los Ulpinos*. Roads are shown in the present locations of Collinsville Road, Talbert Lane, and Stratton Lane. Marshland and the Sacramento River are depicted south of Stratton Lane. Buildings are shown along Collinsville Road west of the site. The community of Collinsville is labeled where Collinsville Road terminates at the Sacramento River. Two buildings are shown within the site at the locations of the former homestead and the existing barn. Surrounding properties are also undeveloped with scattered residential-type buildings. No other significant features are indicated for the site.

1953 – The 1953 (Pittsburg 15' series) and 1953 (Antioch North 7.5' series) topographic maps show a few more buildings along Collinsville Road and in the vicinity of Collinsville. Additional local unpaved roads are shown in the vicinity of Collinsville. Stockyards are labeled to the west of the site, west of Collinsville Road. A structure is no longer depicted within the site at the location of the former homestead. An additional structure is shown in the vicinity of the existing barn. Radio towers and an adjacent building are depicted in the western portion of the site.

1968 – The 1968 (Antioch North 7.5-minute) topographic map is photo-revised from the 1953 map. No changes are depicted within the site. To the west, a few additional structures are depicted in the vicinity of the stockyards. A power transmission line is shown north of the site. No other significant changes were noted.

1978 – The 1978 (Antioch North 7.5-minute) topographic map labels the radio towers as "KKIS." The second structure adjacent to the existing barn is no longer depicted. The stockyards are no longer depicted. No other significant changes were noted.

Based on URS' review of historic topographic maps, historically, the site and surrounding area has been undeveloped land, with the exception of former residences and a barn within the site, and stockyards and structures along Collinsville Road to the west and in the vicinity of Collinsville. No specific RECs were identified for the site in the topographic maps reviewed.

4.3 Sanborn Maps

URS contacted the EDR library to determine whether Sanborn fire insurance maps are available for the area in which the site is located. Sanborn maps show the location of underground storage tanks (USTs) and underground pipelines and the types of buildings and industrial activities on properties. However, according to EDR, no Sanborn maps are available for the site.

4.4 Historic Site Occupants

URS interviewed PG&E representative Mr. Gumby regarding historic site occupants. PG&E obtained the property in the 1960s. According to Mr. Gumby, the property use at that time was for dry-land wheat farming and livestock grazing. He was aware of no occupants of the property at that time. Archeological research (Whitaker and Kaijankoski, 2012) has indicated that two farming family homesteads previously existed on the property. Structures at both of these homestead locations are shown on the 1918 historical topographic map. One of those structures (near the existing barn) is shown on the 1968 map, but had disappeared by the time the 1978 map was prepared. No other historic site occupant information was obtained during this ESA.

4.5 Historic Site Ownership

The site includes land that was part of an 1844 Mexican land grant of 17,726 acres encompassing the Montezuma Hills and present-day Rio Vista. Two known homesteads, the Knox-Marshall homestead associated with the existing barn, and the Dadami homestead, historically existed on the site. The population of Collinsville peaked in the 1870s through 1880s with the salmon fishery, which supported canneries there, but faded (Whitaker and Kaijankoski, 2012) as hydraulic mining choked the Sacramento River and the fishery declined.

A chain-of-title report review is not included in this ESA. Mr. Gumby stated that he has no information on the site's the previous owners. No other historic site occupants were identified during this ESA.

4.6 Environmental Liens or Use Limitations

According to SMUD representative Mr. Jose Bodipo-Memba, PG&E has informed SMUD that no environmental liens exist against the property. Land use limitations include wetland resource locations and associated setbacks. In addition, existing and potential setback limitations associated with residential development, wind turbine blade throw distance and secondary Suisun Marsh area would and could restrict land use. Additionally, Mr. Bodipo-Memba has stated that SMUD is aware of setback and height limitations associated with Travis Air Force Base security restrictions, setback limitations from physical structures on the property, and county roads.

4.7 Valuation Reduction for Environmental Issues

According to Mr. Bodipo-Memba, no valuation reductions for environmental issues exist for the subject property.

4.8 Prior Assessment(s)

SMUD provided URS with a *Limited Site Inspection* report prepared for the site by Stantec Consulting Corporation (Stantec) in September 2010. The scope of the inspection included a site reconnaissance and review of an EDR regulatory database search. The stated purpose of the inspection was to acquire pertinent environmental information prior to property development.

The report described the property as 600 to 700 acres of undeveloped land used for livestock grazing and dry-ground hay production. No structures were reported, other than the dilapidated barn and an adjacent house trailer. Portions of the property were observed to be variously disced, covered with weeds, or under hay cultivation. No evidence of RECs was observed during the site reconnaissance.

Review of aerial photographs dating between 1937 and 2005 identified scattered residences, wind generators on adjacent properties, and the existing barn. Property uses during the period of record of the aerial photographs was reported to appear similar to current uses, and no RECs or areas of concern were identified based on the photograph review.

Review of topographic maps dating from 1908 through 1978 indicated no appreciable change in development with respect to the current time. No RECs or areas of concern were identified based on the historical topographic map review.

The EDR regulatory database search radius was extended to 3 miles from the center of the site because of the size of the site. According to the Stantec report (Stantec, 2010), the site was not listed in any of the databases searched by EDR, and no mapped sites were found in EDR's search of available government records within the designated search area.

In its report, Stantec concluded that their inspection had revealed no evidence of RECs in connection with the site. The report conclusions noted that "Based on the early 1900s construction date of the barn, lead-based paint may have been used in the past; however, no obvious painted surfaces were observed by Stantec during the site reconnaissance and there was no chipping or otherwise deteriorated paint identified."

5.0 SITE INSPECTION AND INTERVIEWS

URS inspected accessible portions of the site for evidence of RECs. This inspection included features listed in ASTM Standard Practice E1527-05, but was subject to the limitations specified in this report and the ASTM Standard. Inspection activities were performed on September 26, 2012. The site was inspected from accessible roadways and areas of elevation throughout the site. Given the size of the property, a detailed inspection of all areas was not practical. Appendix B includes photographic documentation of the site and surrounding properties. URS also interviewed individuals considered knowledgeable of current and historic site conditions.

5.1 Interviews

During this ESA, URS interviewed SMUD representative Mr. Jose Bodipo-Memba and PG&E representative Mr. Mike Gumby regarding the current and historic uses of the subject property. Information obtained from these interviews is provided in various sections of this report.

5.2 Site Features

As indicated, the site is largely undeveloped land used for livestock grazing. The majority of the site consists of rolling hills used for dry-farming of hay or wheat. At the time of the reconnaissance, the cultivated portions of the site were in a state of low stubble. Portions of the hills had been recently disked, as evidenced by the bare soil and lack of weeds. Lower portions of the site (below the approximate 10-foot elevation) appeared to consist of potential wetlands, marsh land, and weed-covered flat areas. One structure, the dilapidated, open-sided barn previously described, existed on the site at the time of URS's reconnaissance. No evidence of a structure was observed in the vicinity of the former radio towers and adjacent building depicted on the historical topographic maps. Besides the barn, adjacent corrals, Stratton Lane, and fencing, no other improvement was observed on the site other than the dug well used for stock watering previously described.

5.3 Stormwater

Other than roadside ditches along Stratton Lane, no site improvements were observed to accommodate stormwater, which drains naturally to the southwest via three principal intermittent streams and overland sheet flow. Water collects in intermittent ponds in the low-lying southwestern portion of the site, or flows directly to the Sacramento River. No evidence of environmental concerns was identified for the stormwater drainage pathways.

5.4 Material and Waste Storage

With the exception of empty vaccine containers in a single 5-gallon bucket, livestock-marking paint sticks also in a 5-gallon bucket, and piles of scrap wood in the vicinity of the barn, no material or waste storage was identified on the site. No environmental concerns were identified for materials observed.

5.5 Storage Tanks

No above or below ground storage tanks were observed at or reported for the site. No evidence of USTs was observed at either of the former homestead sites.

5.6 Wastewater Discharges

No active wastewater discharges were identified for the site during this ESA.

5.7 Air Emissions

Active point sources of air emissions were not identified for the site.

5.8 Polychlorinated Biphenyls

No pad-mounted or pole-mounted transformers were observed on or in the vicinity of the site. No other potential polychlorinated biphenyl-containing equipment was observed on the site.

5.9 Groundwater Wells

URS observed one dug well, which is currently used for livestock watering. No other site wells were reported by interviewees or indicated on topographic maps.

6.0 ENVIRONMENTAL RECORD REVIEW

6.1 Federal and State Database Review

URS retained EDR to provide a database search of federal and state environmental records. The EDR report identifies specific databases searched, and the search radius for each. Appendix C includes a copy of EDR's report and search radius map. The database report was reviewed to note reported releases in the vicinity of the site that are known to have, or are expected to result in, an environmental condition that could adversely impact the site. Reported release sites listed in the regulatory agency database search report were evaluated with respect to the nature and extent of a given release, the distance of the reported release from the site, and the position of a reported release with respect to known or expected local and/or regional groundwater flow direction (to the south, see Section 3.0). Generally, reported release sites within 0.5 mile upgradient, 0.25 mile cross-gradient, or adjacent downgradient were considered to have a potential to impact the site and are discussed hereafter. Properties listed in the database search report but not identified as a release site (for example, a site listed as a hazardous waste generator but not as having had a release) were not considered to have a potential to impact the site. Any non-release sites identified adjacent to the site are not discussed. Unless indicated, information that unmapped or orphan facilities identified in the EDR report would adversely affect the site was not identified.

URS notes that this information is reported as received from EDR, and that EDR, in turn, reports information as it is provided in various government databases. It is not possible for either URS or EDR to verify the accuracy or completeness of information contained in these databases. However, the use of, and reliance on, this information is a generally accepted practice in the conduct of environmental due diligence.

6.1.1 Site Listings

The EDR database report included no listings within the boundaries of the site.

6.1.2 Surrounding Property Listings

Because of the large area encompassed by the site, the search radius for the database search of surrounding properties was extended to 2 miles from the center of the site. A review of the EDR database report identified three listings within that radius:

- **Jerico Products, Inc., 1 mile west, elevation 16 feet.** The property is listed as a surface mine, non-coal, non-metallic minerals, indicating it is likely a quarry. A citation was issued in 1994, the issuer reported abated in November 2010 and the case closed. Based on the distance and elevation of this property relative to the site, as well as the issue abatement and case closure, this property is unlikely to represent a REC with respect to the site.
- **UNINC, 1.4 miles west-northwest, elevation 65 feet, intersection of Collinsville Road and Talbert Lane.** The property is listed for a spill incident dated April 20, 1989, and was

closed on April 27, 1989. Because of the distance of this property from the site and the case closure, this property is considered unlikely to represent a REC with respect to the site.

- **D. D. Feldman Oil & Gas, 1.5 miles east-northeast, elevation 60 feet.** This listing is for an inactive natural gas well. No incidents or citations are reported for this location, which is not considered to represent a REC with respect to the subject property.

6.2 Local Agency Review

In addition to the database list search, URS made inquiries of the following public agencies regarding the site.

- URS reviewed listings for the site vicinity on the GeoTracker website provided by the California State Water Resources Control Board. One listing, for Santa Fe Realty Corporation in Collinsville, was identified within the site vicinity. The record indicates that the listed site is inactive as of April 2009, and that no cleanup actions exist. This listing is not considered to represent a REC for the site.

7.0 SUPPLEMENTAL CONSIDERATIONS

The following non-ASTM components were included in the scope of work for this ESA.

7.1 Wetlands

Wetlands are jointly defined by EPA and the United States Army Corps of Engineers as *those areas that are inundated or saturated by surface or groundwater for a duration and frequency sufficient to support and under normal circumstances do support a prevalence of vegetation adapted for life in saturated soil conditions.*

A formal wetlands survey was not included in the scope of this ESA. According to wetlands information obtained from EDR, wetlands exist within the southwestern portion of the site, generally south of Stratton Lane and below the 10 foot elevation contour. These wetlands are located within the eastern portion of the Suisun Marsh Management Area. PG&E has reported that land use restrictions are in effect for this portion of the site.

7.2 Asbestos

The use of most asbestos in building materials was banned by the EPA National Emission Standards for Hazardous Air Pollutants and Toxic Substances Control Act during the years of 1973, 1978, and 1989. However, in 1991, many of the original bans were vacated and remanded by the U.S. Fifth Circuit Court of Appeals, and some non-friable products are still produced today. Therefore, care should be taken with any building material that is damaged or friable, pending laboratory confirmation that it is free of asbestos-containing materials.

The only building structure on the subject property is the barn associated with the former Knox-Marshall homestead. This structure is constructed of wood and includes a corrugated metal roof. These materials are unlikely to contain asbestos.

7.3 Lead-In-Paint

In 1978, the Consumer Product Safety Commission banned the production of virtually all house paints containing lead. Established guidelines for lead in paint include the United States Department of Housing and Urban Development's 0.5 percent level. This level is a non-enforceable guideline at which lead abatement measures or operations and maintenance programs should be implemented.

The above-mentioned barn is the only structure identified on the site. This structure was built prior to 1908. Consequently, any paint which may have been used on the building may contain lead. However, if any paint had been applied to this structure, it was not evident at the time of the site reconnaissance. A formal survey for lead-in-paint should be performed prior to any renovation or demolition of the structure.

7.4 Lead-In-Drinking Water

EPA regulates drinking water quality under the Safe Drinking Water Act of 1974. EPA guidelines recommend a maximum level of 15 micrograms per liter ($\mu\text{g/L}$) of lead in drinking water from commercial and public buildings. It is recommended that remedial actions be taken for lead levels in excess of 15 $\mu\text{g/L}$ in the 90th percentile. These standards are intended for drinking water suppliers (e.g., municipal water authorities); however, the data evaluation process for assessing lead results may be used for other drinking water sources.

No current drinking water sources were identified for the subject property.

7.5 Radon Gas

Radon is an invisible, odorless radioactive gas formed by the decay of uranium in the earth's soil that migrates to the surface through cracks and pore spaces in the soil. Radon gas dissipates in outdoor settings and is present at concentrations considered harmless. However, radon gas can accumulate inside buildings and closed spaces; depending on building location, ventilation, and other factors. EPA recommends considering indoor remedial measures when the radon concentration exceeds 4.0 picoCuries per liter (pCi/L) on an annual average basis.

According to information provided in the EDR report, the site is located in a designated EPA Radon Zone 3, where the predicted average radon concentration is less than 2.0 pCi/L . Based on the EPA designation, radon gas is unlikely to pose an environmental concern for the site.

8.0 CONCLUSIONS AND RECOMMENDATIONS

URS has performed a Phase I ESA of the Collinsville Wind Project property in the Montezuma Hills region of Solano County, California, in general accordance with the scope and limitations of the ASTM Standard Practice E1527-05. Based on the findings of this Phase I ESA, URS identified no RECs for the site.

While not posing as RECs to the site, the following notable conditions were identified:

- The barn associated with the former Knox-Marshall and Dadami homesteads site may contain small amounts of paint that may contain lead. A formal survey for lead-in-paint should be performed prior to renovation and demolition of the structure.
- According to documents reviewed during this ESA, the central portion of the site contains wetlands vegetation and is within the 500-year floodplain.
- URS observed evidence of one stock watering well on the site. URS recommends appropriate abandonment of any site wells not in use.
- Based on historic topographic maps reviewed during this ESA, the south western portion of the site may have been filled with dredge materials from the Sacramento River. The dredged soils could contain industrial constituents originating from upgradient sources. The potential dredged soils are unlikely to pose an environmental concern under the proposed use of the site (wind farming).
- An archeological survey of the site (Whitaker and Kaijankoski, 2012) has identified the locations of possible septic tanks and pit privies in the vicinity of two former homestead sites.

9.0 REFERENCES

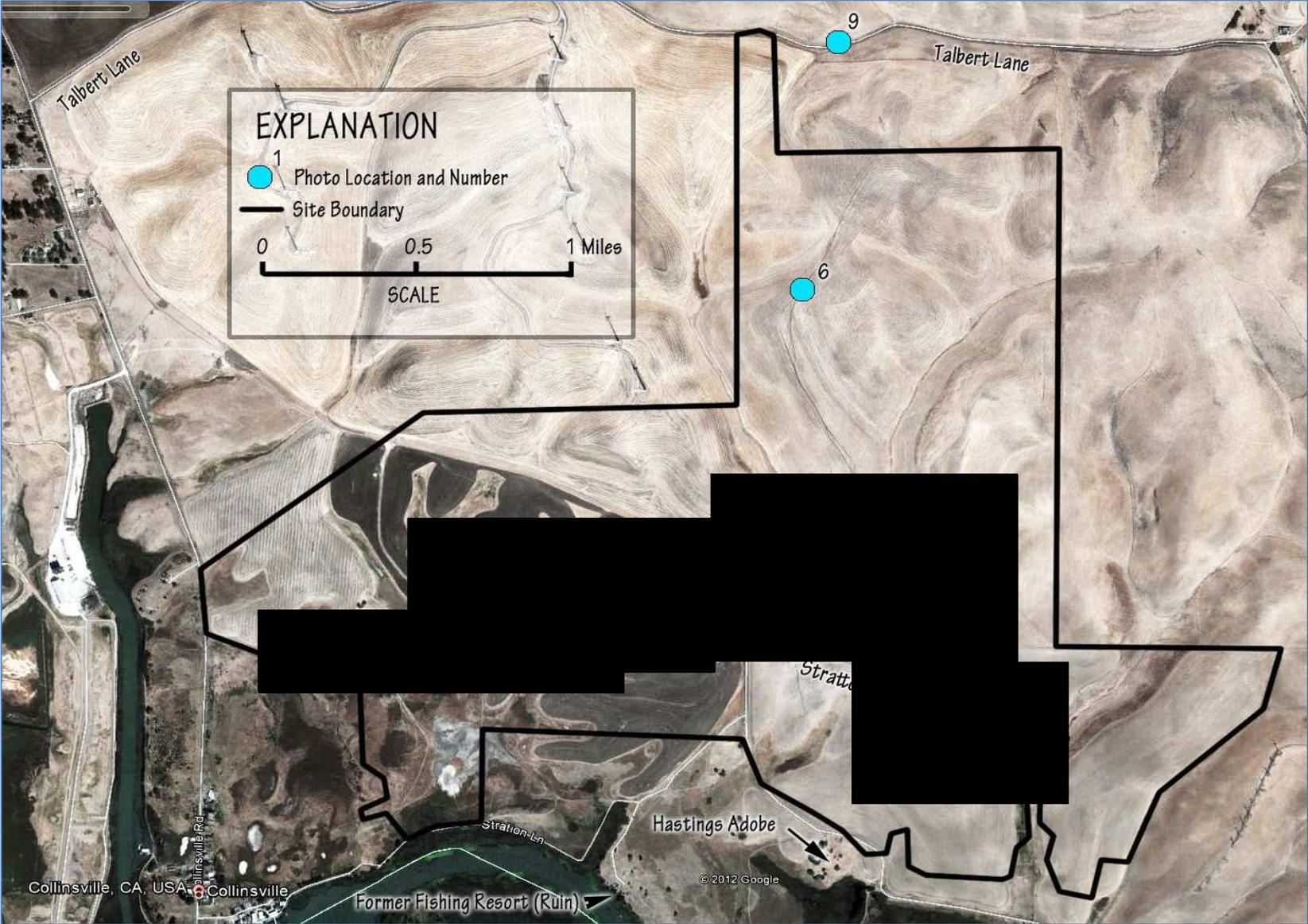
Environmental Data Resources (EDR), 2012. *The EDR Radius Map, SMUD Collinsville, Collinsville, CA, Birds Landing, CA 94512, Inquiry Number: 3420068.1s*. September 27.

Fugro West, Inc., 2010. *Geotechnical Study and Geologic Hazards Evaluation, Collinsville Wind Turbine Project, Collinsville, California*. April.

Whitaker, Adrian R., and Phillip Kaijankoski, 2012. *Archeological Survey and Geoarchaeological Sensitivity Report for the Proposed PG&E Collinsville Wind Project, Solano County*. October.

APPENDIX A

FIGURES



SITE PLAN
Phase I Environmental Site Assessment
Collinsville Wind Project
Solano County, California

Figure 2

APPENDIX B

PHOTOGRAPHIC LOG

<p>Sacramento Municipal Utility District</p>	<p>Phase I Environmental Site Assessment Collinsville Wnd Project Collinsville, Solano County, California</p>	<p>URS Project No. 17326893</p>
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<p>Photo No. 1</p>	<p>Date: 9/26/2012</p>
<p>Direction Photo Taken: Looking north from Stratton Lane in western portion of Site</p>	
<p>Description: Sheep pasture with offsite wind project visible to the north.</p>	



<p>Photo No. 2</p>	<p>Date: 9/26/2012</p>
<p>Direction Photo Taken: Looking north from Stratton Lane.</p>	
<p>Description: Low-lying potential wetland area in the southwestern portion of Site. Disked land in middleground, and offsite wind project in the background to the north. The foreground area is depicted as lying within a 500-year flood zone on the EDR Radius Map.</p>	



<p>Photo No. 3</p>	<p>Date: 9/26/2012</p>
<p>Direction Photo Taken: Looking west</p>	
<p>Description: Open-sided barn or stock kivistock shade structure located on the Knox-Marshall homestead.</p>	



<p>Sacramento Municipal Utility District</p>	<p>Phase I Environmental Site Assessment Collinsville Wnd Project Collinsville, Solano County, California</p>	<p>URS Project No. 17326893</p>
---	---	--

<p>Photo No. 4</p>	<p>Date: 9/26/2012</p>
<p>Direction Photo Taken: Looking southwest</p>	
<p>Description: Showing barn and corrals of the Knox-Marshall homestead on the left, and the former Dadami homestead on the right.</p>	



<p>Photo No. 5</p>	<p>Date: 9/26/2012</p>
<p>Direction Photo Taken: East</p>	
<p>Description: Taken from former Knox-Marshall homestead area, showing dug well and stock watering troughs, The eucalyptus trees in the distance adjacent to Stratton Lane are located on the Dadami homestead in the vicinity of the barn shown in photos 3 and 4.</p>	



<p>Photo No. 6</p>	<p>Date: 9/26/2012</p>
<p>Direction Photo Taken: Southeast</p>	
<p>Description: From northern portion of property toward adjacent wind farm</p>	





PHOTOGRAPHIC LOG

Sacramento Municipal Utility District		Phase I Environmental Site Assessment Collinsville Wnd Project Collinsville, Solano County, California	URS Project No. 17326893
Photo No. 7	Date: 9/26/2012		
Direction Photo Taken: Looking southeast			
Description: View of southeastern portion of Site.			
Photo No. 8	Date: 9/26/2012		
Direction Photo Taken: Looking east			
Description: Portions of the eastern part of the Site are seen in this view beyond the foreground marsh area. The low-lying area in the foreground is not a part of the Site. Turbines on an adjacent wind farm to the east are visible in the distance.			
Photo No. 9	Date: 9/26/2012		
Direction Photo Taken: Southwest			
Description: Taken from Talbot Lane looking across northern panhandle of Site toward wind farm on adjacent property to west. The overhead 230 kilovolt electrical power transmission line is one of several crossing the site, which are depicted on the EDR Radius Map (Appendix C).			

APPENDIX C

**EDR-RADIUS MAP,
WITH GEOCHECK REPORT**

SMUD Collinsville

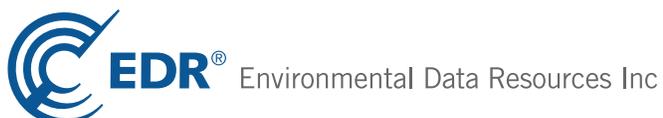
Collinsville, CA

Birds Landing, CA 94512

Inquiry Number: 3420068.1s

September 27, 2012

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

COLLINSVILLE, CA
BIRDS LANDING, CA 94512

COORDINATES

Latitude (North): 38.0852000 - 38° 5' 6.72"
Longitude (West): 121.8326000 - 121° 49' 57.36"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 602380.2
UTM Y (Meters): 4215705.5
Elevation: 73 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 38121-A7 ANTIOCH NORTH, CA
Most Recent Revision: 1978

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2009, 2010
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State- and tribal - equivalent CERCLIS

ENVIROSTOR..... EnviroStor Database

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System
WDS..... Waste Discharge System

State and tribal leaking storage tank lists

LUST..... Geotracker's Leaking Underground Fuel Tank Report

EXECUTIVE SUMMARY

SLIC..... Statewide SLIC Cases
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST..... Active UST Facilities
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Properties
INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
Toxic Pits..... Toxic Pits Cleanup Act Sites
CDL..... Clandestine Drug Labs
US HIST CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST..... Facility Inventory Database
HIST UST..... Hazardous Substance Storage Container Database
SWEEPS UST..... SWEEPS UST Listing

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System
LIENS..... Environmental Liens Listing
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

EXECUTIVE SUMMARY

LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators
DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS..... Section 7 Tracking Systems
ICIS..... Integrated Compliance Information System
PADS..... PCB Activity Database System
MLTS..... Material Licensing Tracking System
RADINFO..... Radiation Information Database
FINDS..... Facility Index System/Facility Registry System
RAATS..... RCRA Administrative Action Tracking System
CA BOND EXP. PLAN..... Bond Expenditure Plan
NPDES..... NPDES Permits Listing
Cortese..... "Cortese" Hazardous Waste & Substances Sites List
HIST CORTESE..... Hazardous Waste & Substance Site List
Notify 65..... Proposition 65 Records
DRYCLEANERS..... Cleaner Facilities
WIP..... Well Investigation Program Case List
ENF..... Enforcement Action Listing
HAZNET..... Facility and Manifest Data
EMI..... Emissions Inventory Data
INDIAN RESERV..... Indian Reservations
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
MWMP..... Medical Waste Management Program Listing
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
HWT..... Registered Hazardous Waste Transporter Database
HWP..... EnviroStor Permitted Facilities Listing
FINANCIAL ASSURANCE..... Financial Assurance Information Listing
2020 COR ACTION..... 2020 Corrective Action Program List
PRP..... Potentially Responsible Parties
EPA WATCH LIST..... EPA WATCH LIST
US FIN ASSUR..... Financial Assurance Information
PCB TRANSFORMER..... PCB Transformer Registration Database
PROC..... Certified Processors Database

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

EDR Historical Auto Stations.. EDR Proprietary Historic Gas Stations
EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CHMIRS list, as provided by EDR, and dated 03/28/2012 has revealed that there is 1 CHMIRS site within approximately 2 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported Date Completed: 27-APR-89	COLLINSVILLE/TALBERT LN	WNW 1 - 2 (1.423 mi.)	2	18

Other Ascertainable Records

MINES: Mines Master Index File. The source of this database is the Dept. of Labor, Mine Safety and Health Administration.

A review of the MINES list, as provided by EDR, and dated 08/18/2011 has revealed that there is 1 MINES site within approximately 2 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JERICO PRODUCTS INC		W 1/2 - 1 (0.968 mi.)	1	8

UIC: A listing of underground control injection wells.

A review of the UIC list, as provided by EDR, and dated 12/09/2011 has revealed that there is 1 UIC site within approximately 2 miles of the target property.

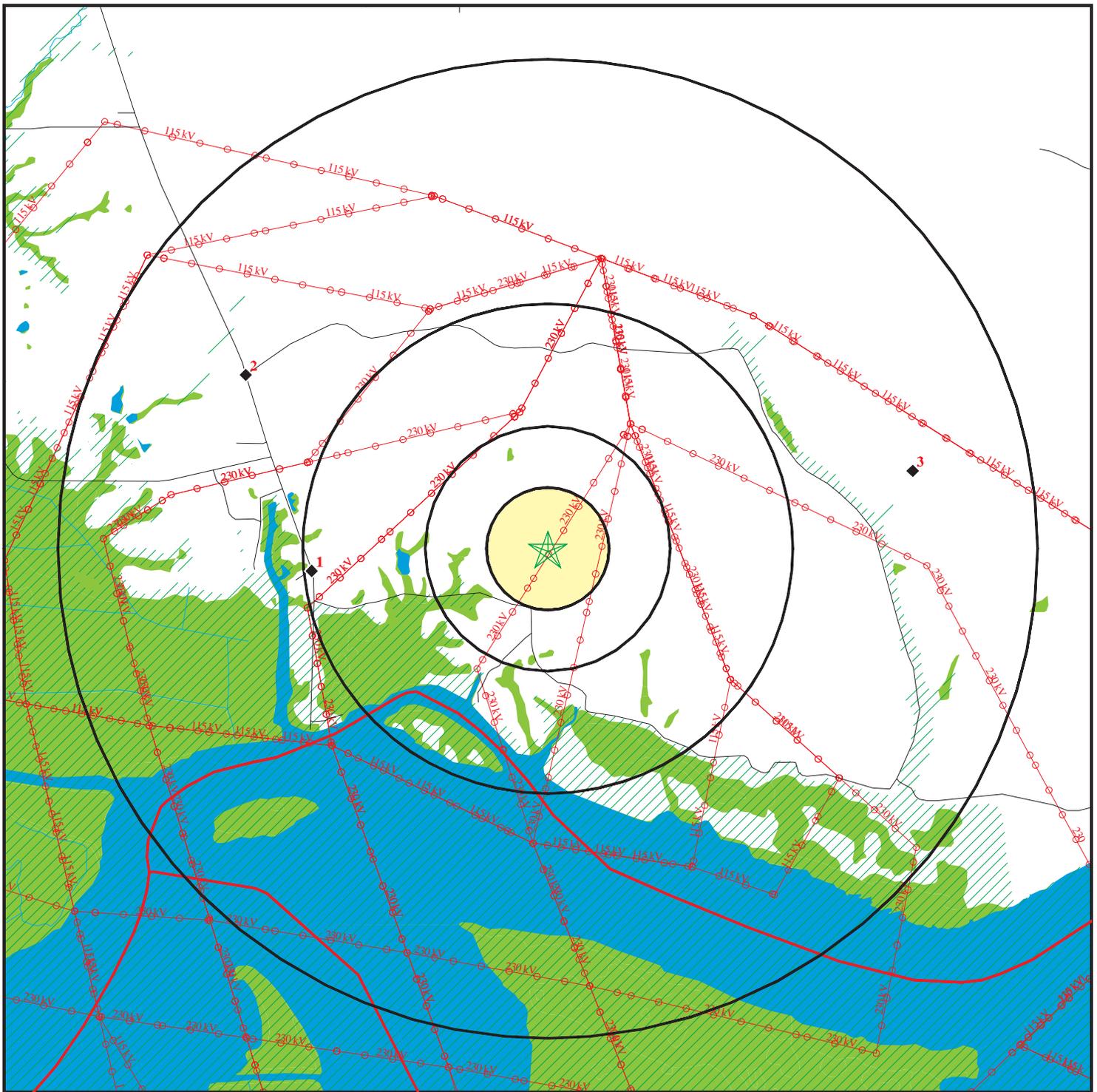
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
D.D. FELDMAN OIL & GAS		ENE 1 - 2 (1.524 mi.)	3	19

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 42 records.

<u>Site Name</u>	<u>Database(s)</u>
RIO VISTA SHELL	LUST,HIST CORTESE
B C STOCKING DISTRIBUTING INC	HAZNET,HIST CORTESE,LUST
CIRCLE "A" RANCH	SWEEPS UST
BRANNON ISLAND COMP. STATION	SWEEPS UST
RIO VISTA CHEVRON, LLC	EMI,SWEEPS UST
MORENO TRENCING, LTD.	SWEEPS UST
UNION 76-TOM'S	SWEEPS UST
D & D WHOLESALE TIRES/CHRIS THURMA	SWEEPS UST,CDL
OILWELL MATERIALS CO.	SWEEPS UST
CHEAPER #89	SWEEPS UST
RECLAMATION DISTRICT#341	ML SACRAMENTO,CDL
C0-TRIMAC INC	HAZNET
THE OLSON CO	HAZNET
DPR - BRANNAN ISLAND	HAZNET
SPRINT NEXTEL INC	EMI,HAZNET
CALTRANS DIST 4	RCRA-SQG,FINDS
CALTRANS DIST 4	RCRA-SQG
PG&E COMPRESSOR #19	RCRA-SQG,FINDS
SACRAMENTO RIVER BRIDGE #23-24	RCRA-SQG,FINDS
PG&E RECLAMATION BOARD #7 & #8	ML SACRAMENTO
WILCOX 12	ML SACRAMENTO
WELCH 14 WELL SITE	ML SACRAMENTO
RVGU 145 (MIDLAND FEE 6) WELL SITE	ML SACRAMENTO
RVGU 163 WELL SITE	ML SACRAMENTO
RVGU 148 (STATE #5) WELL SITE	ML SACRAMENTO
RVGU 115 (WELCH #10)WELL SITE	ML SACRAMENTO
RVGU 225 WELL SITE	ML SACRAMENTO
RVGU 147 WELL SITE	ML SACRAMENTO
RVGU 164 WELL SITE	ML SACRAMENTO
RVGU 169 WELL SITE	ML SACRAMENTO
WELCH 16 WELL SITE	ML SACRAMENTO
RVGU 237 WELL SITE	ML SACRAMENTO
BIG BRANNAN COMPRESSOR STATION	ML SACRAMENTO
CHEVRON - MIDLAND FEE #1	ML SACRAMENTO
RVGU 236 WELL SITE	ML SACRAMENTO
PG & E	ML SACRAMENTO
JESSE MARKS & SON	ML SACRAMENTO
BRANNAN ISLAND STATE REC AREA	ML SACRAMENTO
BAROFALDI FARMING	ML SACRAMENTO
BEAN POT	ML SACRAMENTO
SHERMAN WEST	ML SACRAMENTO
RVGU 162-1 (WELCH 6)WELL SITE	ML SACRAMENTO

OVERVIEW MAP - 3420068.1s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

--- County Boundary

--- Power transmission lines

--- Oil & Gas pipelines from USGS

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

■ Areas of Concern

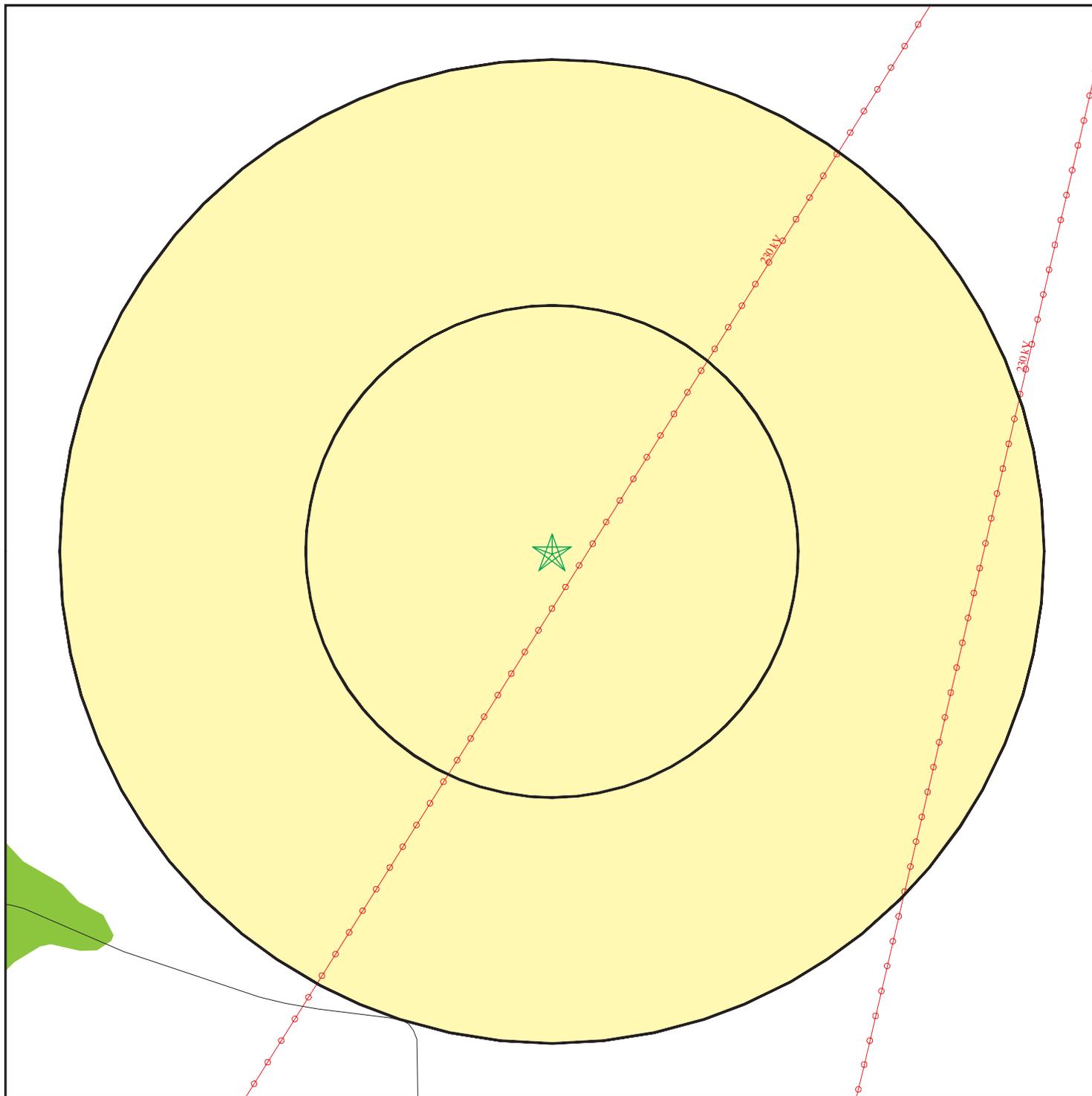


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: SMUD Collinsville
 ADDRESS: Collinsville, CA
 Birds Landing CA 94512
 LAT/LONG: 38.0852 / 121.8326

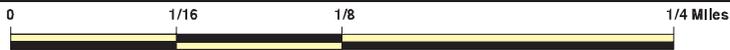
CLIENT: URS Corporation
 CONTACT: Tony Mindling
 INQUIRY #: 3420068.1s
 DATE: September 27, 2012 6:05 pm

DETAIL MAP - 3420068.1s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ▨ National Priority List Sites
- ▨ Dept. Defense Sites

- ▨ Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines from USGS
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- ▨ Areas of Concern
- ▨ National Wetland Inventory



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: SMUD Collinsville
 ADDRESS: Collinsville, CA
 Birds Landing CA 94512
 LAT/LONG: 38.0852 / 121.8326

CLIENT: URS Corporation
 CONTACT: Tony Mindling
 INQUIRY #: 3420068.1s
 DATE: September 27, 2012 6:06 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	2.000		0	0	0	0	0	0
Proposed NPL	2.000		0	0	0	0	0	0
NPL LIENS	2.000		0	0	0	0	0	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	2.000		0	0	0	0	0	0
<i>Federal CERCLIS list</i>								
CERCLIS	2.000		0	0	0	0	0	0
FEDERAL FACILITY	2.000		0	0	0	0	0	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	2.000		0	0	0	0	0	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	2.000		0	0	0	0	0	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	2.000		0	0	0	0	0	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	2.000		0	0	0	0	0	0
RCRA-SQG	2.000		0	0	0	0	0	0
RCRA-CESQG	2.000		0	0	0	0	0	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	2.000		0	0	0	0	0	0
US INST CONTROL	2.000		0	0	0	0	0	0
<i>Federal ERNS list</i>								
ERNS	2.000		0	0	0	0	0	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	2.000		0	0	0	0	0	0
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	2.000		0	0	0	0	0	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	2.000		0	0	0	0	0	0
WDS	2.000		0	0	0	0	0	0
<i>State and tribal leaking storage tank lists</i>								
LUST	2.000		0	0	0	0	0	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	2.000		0	0	0	0	0	0
INDIAN LUST	2.000		0	0	0	0	0	0
State and tribal registered storage tank lists								
UST	2.000		0	0	0	0	0	0
AST	2.000		0	0	0	0	0	0
INDIAN UST	2.000		0	0	0	0	0	0
FEMA UST	2.000		0	0	0	0	0	0
State and tribal voluntary cleanup sites								
VCP	2.000		0	0	0	0	0	0
INDIAN VCP	2.000		0	0	0	0	0	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	2.000		0	0	0	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	2.000		0	0	0	0	0	0
ODI	2.000		0	0	0	0	0	0
WMUDS/SWAT	2.000		0	0	0	0	0	0
SWRCY	2.000		0	0	0	0	0	0
HAULERS	2.000		0	0	0	0	0	0
INDIAN ODI	2.000		0	0	0	0	0	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	2.000		0	0	0	0	0	0
HIST Cal-Sites	2.000		0	0	0	0	0	0
SCH	2.000		0	0	0	0	0	0
Toxic Pits	2.000		0	0	0	0	0	0
CDL	2.000		0	0	0	0	0	0
US HIST CDL	2.000		0	0	0	0	0	0
Local Lists of Registered Storage Tanks								
CA FID UST	2.000		0	0	0	0	0	0
HIST UST	2.000		0	0	0	0	0	0
SWEEPS UST	2.000		0	0	0	0	0	0
Local Land Records								
LIENS 2	2.000		0	0	0	0	0	0
LUCIS	2.000		0	0	0	0	0	0
LIENS	2.000		0	0	0	0	0	0
DEED	2.000		0	0	0	0	0	0
Records of Emergency Release Reports								
HMIRS	2.000		0	0	0	0	0	0
CHMIRS	2.000		0	0	0	0	1	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LDS	2.000		0	0	0	0	0	0
MCS	2.000		0	0	0	0	0	0
Other Ascertainable Records								
RCRA-NonGen	2.000		0	0	0	0	0	0
DOT OPS	2.000		0	0	0	0	0	0
DOD	2.000		0	0	0	0	0	0
FUDS	2.000		0	0	0	0	0	0
CONSENT	2.000		0	0	0	0	0	0
ROD	2.000		0	0	0	0	0	0
UMTRA	2.000		0	0	0	0	0	0
MINES	2.000		0	0	0	1	0	1
TRIS	2.000		0	0	0	0	0	0
TSCA	2.000		0	0	0	0	0	0
FTTS	2.000		0	0	0	0	0	0
HIST FTTS	2.000		0	0	0	0	0	0
SSTS	2.000		0	0	0	0	0	0
ICIS	2.000		0	0	0	0	0	0
PADS	2.000		0	0	0	0	0	0
MLTS	2.000		0	0	0	0	0	0
RADINFO	2.000		0	0	0	0	0	0
FINDS	2.000		0	0	0	0	0	0
RAATS	2.000		0	0	0	0	0	0
CA BOND EXP. PLAN	2.000		0	0	0	0	0	0
UIC	2.000		0	0	0	0	1	1
NPDES	2.000		0	0	0	0	0	0
Cortese	2.000		0	0	0	0	0	0
HIST CORTESE	2.000		0	0	0	0	0	0
Notify 65	2.000		0	0	0	0	0	0
DRYCLEANERS	2.000		0	0	0	0	0	0
WIP	2.000		0	0	0	0	0	0
ENF	2.000		0	0	0	0	0	0
HAZNET	2.000		0	0	0	0	0	0
EMI	2.000		0	0	0	0	0	0
INDIAN RESERV	2.000		0	0	0	0	0	0
SCRD DRYCLEANERS	2.000		0	0	0	0	0	0
MWMP	2.000		0	0	0	0	0	0
COAL ASH DOE	2.000		0	0	0	0	0	0
COAL ASH EPA	2.000		0	0	0	0	0	0
HWT	2.000		0	0	0	0	0	0
HWP	2.000		0	0	0	0	0	0
FINANCIAL ASSURANCE	2.000		0	0	0	0	0	0
2020 COR ACTION	2.000		0	0	0	0	0	0
PRP	2.000		0	0	0	0	0	0
EPA WATCH LIST	2.000		0	0	0	0	0	0
US FIN ASSUR	2.000		0	0	0	0	0	0
PCB TRANSFORMER	2.000		0	0	0	0	0	0
PROC	2.000		0	0	0	0	0	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	2.000		0	0	0	0	0	0
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
EDR Historical Auto Stations	2.000		0	0	0	0	0	0
EDR Historical Cleaners	2.000		0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1
West
1/2-1
0.968 mi.
5110 ft.

JERICO PRODUCTS INC
SOLANO (County), CA

MINES 1011130694
N/A

Relative:
Lower

MINES:
Mine ID: 0405249
SIC code(s): 14990 00000 00000 00000 00000 00000
Entity name: JERICO PRODUCTS INCO
Company: JERICO PRODUCTS INC
State FIPS code: 06
County FIPS code: 095
Status: 1
Status date: 19940803
Operation Class: non-Coal Mining
Number of shops: 0
Number of plants: 0
Latitude: 38 05 02
Longitude: 121 51 01

Actual:
16 ft.

Violations Details:
Violation Number: 8561893
Mine Name: Jerico Products Incorporated
Date Issued: 11/01/2010
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(d)(2)
Date Abated: 11/01/2010
Citation/Order: Order
Sig and Sub Designation: Y
Proposed Penalty: Not reported
Paid Penalty: Not reported
Assessment Status code: Not reported
Assess. Case Status code: Not reported
Assessment Amount: Not reported
Year: 2010
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Violation Number: 8561894
Mine Name: Jerico Products Incorporated
Date Issued: 11/01/2010
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JERICO PRODUCTS INC (Continued)

1011130694

Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(a)
Date Abated: 11/02/2010
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2010
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Violation Number: 8561895
Mine Name: Jerico Products Incorporated
Date Issued: 11/01/2010
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(a)
Date Abated: 11/02/2010
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2010
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Violation Number: 8561892
Mine Name: Jerico Products Incorporated
Date Issued: 11/01/2010
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JERICO PRODUCTS INC (Continued)

1011130694

Action Type: 104(d)(2)
Date Abated: 11/01/2010
Citation/Order: Order
Sig and Sub Designation: Y
Proposed Penalty: Not reported
Paid Penalty: Not reported
Assessment Status code: Not reported
Assess. Case Status code: Not reported
Assessment Amount: Not reported
Year: 2010
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Violation Number: 6442798
Mine Name: Jerico Products Incorporated
Date Issued: 10/16/2008
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(a)
Date Abated: 10/16/2008
Citation/Order: Citation
Sig and Sub Designation: Y
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2008
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Violation Number: 6442799
Mine Name: Jerico Products Incorporated
Date Issued: 10/16/2008
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(a)
Date Abated: 10/16/2008
Citation/Order: Citation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JERICO PRODUCTS INC (Continued)

1011130694

Sig and Sub Designation: Y
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2008
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Violation Number: 6442796
Mine Name: Jerico Products Incorporated
Date Issued: 10/15/2008
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(a)
Date Abated: 10/15/2008
Citation/Order: Citation
Sig and Sub Designation: Y
Proposed Penalty: 308.00
Paid Penalty: 308.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 308.00
Year: 2008
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Violation Number: 6442795
Mine Name: Jerico Products Incorporated
Date Issued: 10/15/2008
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(a)
Date Abated: 10/15/2008
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 100.00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JERICO PRODUCTS INC (Continued)

1011130694

Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2008
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Violation Number: 6442794
Mine Name: Jerico Products Incorporated
Date Issued: 10/15/2008
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(a)
Date Abated: 10/16/2008
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2008
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Violation Number: 6442797
Mine Name: Jerico Products Incorporated
Date Issued: 10/15/2008
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(a)
Date Abated: 10/16/2008
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JERICO PRODUCTS INC (Continued)

1011130694

Year: 2008
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported
Violation Number: 6348346
Mine Name: Jerico Products Incorporated
Date Issued: 09/23/2003
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(a)
Date Abated: 09/23/2003
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 60
Paid Penalty: 60
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 60
Year: 2003
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported
Violation Number: 6489606
Mine Name: Jerico Products Incorporated
Date Issued: 09/22/2010
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(a)
Date Abated: 09/22/2010
Citation/Order: Citation
Sig and Sub Designation: Y
Proposed Penalty: 308.00
Paid Penalty: 308.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 308.00
Year: 2010
Suisun City, CA 945859600
County Name: Solano

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JERICO PRODUCTS INC (Continued)

1011130694

P.O. Box: Not reported

Violation Number: 6489605
Mine Name: Jerico Products Incorporated
Date Issued: 09/22/2010
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(d)(1)
Date Abated: 09/22/2010
Citation/Order: Order
Sig and Sub Designation: Y
Proposed Penalty: 2,000.00
Paid Penalty: 0.00
Assessment Status code: Received
Assess. Case Status code: InContest
Assessment Amount: 2,000.00
Year: 2010
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Violation Number: 8561323
Mine Name: Jerico Products Incorporated
Date Issued: 08/30/2010
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(a)
Date Abated: 08/30/2010
Citation/Order: Citation
Sig and Sub Designation: Y
Proposed Penalty: 1,530.00
Paid Penalty: 0.00
Assessment Status code: Received
Assess. Case Status code: InContest
Assessment Amount: 1,530.00
Year: 2010
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Violation Number: 8561320

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JERICO PRODUCTS INC (Continued)

1011130694

Mine Name: Jerico Products Incorporated
Date Issued: 08/30/2010
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(a)
Date Abated: 08/30/2010
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Received
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2010
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Violation Number: 8561321
Mine Name: Jerico Products Incorporated
Date Issued: 08/30/2010
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(a)
Date Abated: 08/30/2010
Citation/Order: Citation
Sig and Sub Designation: Y
Proposed Penalty: 460.00
Paid Penalty: 0.00
Assessment Status code: Received
Assess. Case Status code: InContest
Assessment Amount: 460.00
Year: 2010
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Violation Number: 8561322
Mine Name: Jerico Products Incorporated
Date Issued: 08/30/2010
Address Type: MineLocation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JERICO PRODUCTS INC (Continued)

1011130694

Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(a)
Date Abated: 09/02/2010
Citation/Order: Citation
Sig and Sub Designation: Y
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Received
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2010
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Violation Number: 8561318
Mine Name: Jerico Products Incorporated
Date Issued: 08/27/2010
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(a)
Date Abated: 10/12/2010
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 0.00
Assessment Status code: Received
Assess. Case Status code: InContest
Assessment Amount: 100.00
Year: 2010
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Violation Number: 8561319
Mine Name: Jerico Products Incorporated
Date Issued: 08/27/2010
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JERICO PRODUCTS INC (Continued)

1011130694

Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(a)
Date Abated: 10/12/2010
Citation/Order: Citation
Sig and Sub Designation: Y
Proposed Penalty: 308.00
Paid Penalty: 0.00
Assessment Status code: Received
Assess. Case Status code: InContest
Assessment Amount: 308.00
Year: 2010
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Violation Number: 8561314
Mine Name: Jerico Products Incorporated
Date Issued: 08/27/2010
Address Type: MineLocation
Address: 1285 Collinsville Road
Operator: Jerico Products Inc
Contractor ID: Not reported
Controller Name: Michael Lind
Mined Material: Misc. Nonmetallic Mnls. NEC
Ownership Date: 08/01/1994
Mine Type: Surface
Mine Status: Active
Status Date: 08/03/1994
Action Type: 104(d)(1)
Date Abated: 08/27/2010
Citation/Order: Citation
Sig and Sub Designation: Y
Proposed Penalty: 2,000.00
Paid Penalty: 0.00
Assessment Status code: Received
Assess. Case Status code: InContest
Assessment Amount: 2,000.00
Year: 2010
Suisun City, CA 945859600
County Name: Solano
P.O. Box: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JERICO PRODUCTS INC (Continued)

1011130694

[Click this hyperlink](#) while viewing on your computer to access
45 additional US_MINES: record(s) in the EDR Site Report.

2
WNW
> 1
1.423 mi.
7513 ft.

COLLINSVILLE/TALBERT LN
UNINC, CA

CHMIRS S100279529
N/A

Relative:
Lower

CHMIRS:
OES Incident Number: 8910327
OES notification: Not reported
OES Date: Not reported
OES Time: Not reported
Incident Date: 20-APR-89
Date Completed: 27-APR-89
Property Use: 963
Agency Id Number: 66365
Agency Incident Number: 121
Time Notified: 2320
Time Completed: 1700
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: K
Special Studies 1: Not reported
Special Studies 2: Not reported
Special Studies 3: Not reported
Special Studies 4: Not reported
Special Studies 5: Not reported
Special Studies 6: Not reported
More Than Two Substances Involved?: N
Resp Agncy Personel # Of Decontaminated: 0
Responding Agency Personel # Of Injuries: 0
Responding Agency Personel # Of Fatalities: 0
Others Number Of Decontaminated: 0
Others Number Of Injuries: 0
Others Number Of Fatalities: 0
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA/DOT/PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: L. ACEVEDO
Report Date: 16-MAY-89
Comments: Not reported
Facility Telephone: 916 327-3310
Waterway Involved: Not reported
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Not reported
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 88-92

Actual:
65 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

S100279529

Agency:	Not reported
Incident Date:	Not reported
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	09-MAY-90
Substance:	Not reported
Quantity Released:	Not reported
BBLs:	Not reported
Cups:	Not reported
CUFT:	Not reported
Gallons:	Not reported
Grams:	Not reported
Pounds:	Not reported
Liters:	Not reported
Ounces:	Not reported
Pints:	Not reported
Quarts:	Not reported
Sheen:	Not reported
Tons:	Not reported
Unknown:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
Description:	Not reported

3
ENE
> 1
1.524 mi.
8046 ft.

D.D. FELDMAN OIL & GAS
SOLANO (County), CA

UIC S111657587
N/A

Relative:
Lower

UIC:	
API Number:	09500428
Active Well:	N
Well Type:	DG
Well Symbol:	DH
Confidential Well:	Not reported
Well Number:	1
Lease Name:	Natural Gas Corp. Robbins
Well Located On A Blw Lease:	Not reported
Field Name:	Not reported
Area Name:	Not reported
Section:	19
Township:	3N
Range:	2E
Base And Meridian; Part Of The PLSS:	MD
Elevation:	Not reported
Location Desc:	Not reported
Latitude:	38.089818999999999
Longitude:	-121.805257999999999
GIS Source Code:	HUD
Comments:	Not reported
Operator Code:	T1800
CA County Code:	095
Field Code:	000
Area Code:	00

Actual:
60 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D.D. FELDMAN OIL & GAS (Continued)

S111657587

Total Depth:

7010

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
RIO VISTA	1000196265	PG&E COMPRESSOR #19	2MI E OF RIO VISTA 1/4MI S HWY	94571	RCRA-SQG,FINDS
RIO VISTA	1000353472	SACRAMENTO RIVER BRIDGE #23-24	HWY-12, POSTMILE 26.2	94571	RCRA-SQG,FINDS
PITTSBURG	1001815655	CALTRANS DIST 4	HWY 4 FROM E OF WILLOW PASS RD	94565	RCRA-SQG,FINDS
RIO VISTA	1004676419	CALTRANS DIST 4	480 HWY 12 PM 15.9 TO PM 20.8	94571	RCRA-SQG
RIO VISTA	S101304667	RIO VISTA SHELL	419 HWY 12	95571	LUST,HIST CORTESE
RIO VISTA	S103066209	B C STOCKING DISTRIBUTING INC	300 HWY 12	94571	HAZNET,HIST CORTESE,LUST
RIO VISTA	S105455030	BRANNAN ISLAND STATE REC AREA	17645 HIGHWAY 160	94571	ML SACRAMENTO
RIO VISTA	S105455040	RVGU 148 (STATE #5) WELL SITE	HWY 12/ST 160	94571	ML SACRAMENTO
RIO VISTA	S105455041	RVGU 115 (WELCH #10)WELL SITE	HWY 12/ST 160	94571	ML SACRAMENTO
RIO VISTA	S105455042	RVGU 147 WELL SITE	HWY 12/ST 160	94571	ML SACRAMENTO
RIO VISTA	S105455043	RVGU 225 WELL SITE	HWY 12/ST 160	94571	ML SACRAMENTO
RIO VISTA	S105455044	RVGU 145 (MIDLAND FEE 6) WELL SITE	HWY 12/STATE ROUTE 160	94571	ML SACRAMENTO
RIO VISTA	S105455096	RVGU 164 WELL SITE	HWY 12/ST 160	94571	ML SACRAMENTO
RIO VISTA	S105629176	RVGU 237 WELL SITE	HWY 12/ST 160	94571	ML SACRAMENTO
RIO VISTA	S105722420	DPR - BRANNAN ISLAND	17645 HWY 160	94571	HAZNET
RIO VISTA	S105960201	WELCH 16 WELL SITE	HWY 12/ST 160	94571	ML SACRAMENTO
RIO VISTA	S105960202	WELCH 14 WELL SITE	HWY 12/ST 160	94571	ML SACRAMENTO
RIO VISTA	S105960203	RVGU 163 WELL SITE	HWY 12/ST 160	94571	ML SACRAMENTO
RIO VISTA	S106923530	BRANNON ISLAND COMP. STATION	1-4 MILE OFF HWY 160	94571	SWEEPS UST
RIO VISTA	S106924246	CHEAPER #89	1009 HIGHWAY 12	94571	SWEEPS UST
RIO VISTA	S106924322	RIO VISTA CHEVRON, LLC	300 HIGHWAY 12	94571	EMI,SWEEPS UST
PITTSBURG	S106924476	CIRCLE "A" RANCH	S HWY 4 BEFORE BAILEY RD	94565	SWEEPS UST
RIO VISTA	S106925094	D & D WHOLESALE TIRES/CHRIS THURMA	409 HIGHWAY 12	94571	SWEEPS UST,CDL
RIO VISTA	S106929617	MORENO TRENCING, LTD.	210 HIGHWAY 12	94571	SWEEPS UST
RIO VISTA	S106930112	OILWELL MATERIALS CO.	506 HIGHWAY 12	94571	SWEEPS UST
RIO VISTA	S106933378	UNION 76-TOM'S	510 HIGHWAY 12	94571	SWEEPS UST
RIO VISTA	S106967486	RVGU 169 WELL SITE	HWY 12/ST 160	94571	ML SACRAMENTO
RIO VISTA	S106967487	RVGU 162-1 (WELCH 6)WELL SITE	STATE ROUTE 160/HWY 12	94571	ML SACRAMENTO
ISLETON	S107447438	PG&E RECLAMATION BOARD #7 & #8	HWY 160/BRANNAN ISLAND RD STE	94571	ML SACRAMENTO
RIO VISTA	S108484708	WILCOX 12	HWY 12/HWY 160	94571	ML SACRAMENTO
RIO VISTA	S108755636	SPRINT NEXTEL INC	6715 HIGHWAY 12	94571	EMI,HAZNET
BAY POINT	S108756450	THE OLSON CO	602 CHICAGO PORT HWY	94565	HAZNET
RIO VISTA	S109149404	BIG BRANNAN COMPRESSOR STATION	HWY 12/HWY 160	94571	ML SACRAMENTO
RIO VISTA	S109611681	RECLAMATION DISTRICT#341	18419 HWY 160	94571	ML SACRAMENTO,CDL
RIO	S109612079	BAROFALDI FARMING	17924 HWY 160	94571	ML SACRAMENTO
RIO	S109612085	BEAN POT	18677 HWY 160	94571	ML SACRAMENTO
RIO	S109612153	CHEVRON - MIDLAND FEE #1	HWY 12/JACKSON	94571	ML SACRAMENTO
RIO	S109612343	JESSE MARKS & SON	HWY 160	94571	ML SACRAMENTO
RIO	S109612471	PG & E	HWY 160/TWITCHELL	94571	ML SACRAMENTO
RIO VISTA	S109612532	RVGU 236 WELL SITE	HWY 12/ST160	94571	ML SACRAMENTO
RIO	S109612568	SHERMAN WEST	18751 HWY 160	94571	ML SACRAMENTO
BAY POINT	S109929002	C0-TRIMAC INC	HWY 4 EB PM 083039	94565	HAZNET

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/07/2012	Source: EPA
Date Data Arrived at EDR: 07/05/2012	Telephone: N/A
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 07/05/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 10/22/2012
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/07/2012	Source: EPA
Date Data Arrived at EDR: 07/05/2012	Telephone: N/A
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 07/05/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 10/22/2012
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/07/2012	Source: EPA
Date Data Arrived at EDR: 07/05/2012	Telephone: N/A
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 07/05/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 10/22/2012
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/27/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 08/28/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 12/10/2012
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 07/13/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 10/22/2012
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/28/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 08/28/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 12/10/2012
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/19/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 132

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/16/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/16/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/16/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/16/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/30/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/30/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 09/05/2012
Number of Days to Update: 11	Next Scheduled EDR Contact: 12/24/2012
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/30/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/30/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 09/05/2012
Number of Days to Update: 11	Next Scheduled EDR Contact: 12/24/2012
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 04/02/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 04/03/2012	Telephone: 202-267-2180
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 07/02/2012
Number of Days to Update: 72	Next Scheduled EDR Contact: 10/15/2012
	Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 08/06/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/07/2012	Telephone: 916-323-3400
Date Made Active in Reports: 09/06/2012	Last EDR Contact: 09/21/2012
Number of Days to Update: 30	Next Scheduled EDR Contact: 11/19/2012
	Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/06/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 30

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/21/2012
Next Scheduled EDR Contact: 11/19/2012
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/21/2012
Date Data Arrived at EDR: 05/22/2012
Date Made Active in Reports: 06/21/2012
Number of Days to Update: 30

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/20/2012
Next Scheduled EDR Contact: 12/03/2012
Data Release Frequency: Quarterly

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/28/2012
Next Scheduled EDR Contact: 12/10/2012
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/19/2012
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/18/2012
Next Scheduled EDR Contact: 12/31/2012
Data Release Frequency: Quarterly

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 07/19/2012
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/18/2012
Next Scheduled EDR Contact: 12/31/2012
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/25/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/16/2012
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/07/2012
Date Data Arrived at EDR: 05/08/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/12/2012
Date Data Arrived at EDR: 05/09/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 62

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/03/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 25

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/07/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/17/2012	Telephone: 913-551-7003
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Varies

State and tribal registered storage tank lists

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/19/2012	Source: SWRCB
Date Data Arrived at EDR: 07/19/2012	Telephone: 916-341-5851
Date Made Active in Reports: 08/06/2012	Last EDR Contact: 09/18/2012
Number of Days to Update: 18	Next Scheduled EDR Contact: 12/31/2012
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 07/03/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/22/2012
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/07/2012	Source: EPA Region 10
Date Data Arrived at EDR: 05/08/2012	Telephone: 206-553-2857
Date Made Active in Reports: 07/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 69	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/28/2011	Source: EPA Region 9
Date Data Arrived at EDR: 11/29/2011	Telephone: 415-972-3368
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/18/2011	Source: EPA Region 8
Date Data Arrived at EDR: 08/19/2011	Telephone: 303-312-6137
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 07/26/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 02/07/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/17/2012	Telephone: 913-551-7003
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 07/26/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/28/2012	Source: EPA Region 5
Date Data Arrived at EDR: 02/29/2012	Telephone: 312-886-6136
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/14/2011	Source: EPA Region 4
Date Data Arrived at EDR: 12/15/2011	Telephone: 404-562-9424
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/12/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 05/02/2012	Telephone: 617-918-1313
Date Made Active in Reports: 07/16/2012	Last EDR Contact: 08/03/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/12/2012
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/29/2012
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 08/06/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/07/2012	Telephone: 916-323-3400
Date Made Active in Reports: 09/06/2012	Last EDR Contact: 09/21/2012
Number of Days to Update: 30	Next Scheduled EDR Contact: 11/19/2012
	Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 02/17/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 04/03/2012	Telephone: 617-918-1102
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 07/02/2012
Number of Days to Update: 42	Next Scheduled EDR Contact: 10/15/2012
	Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/25/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/25/2012	Telephone: 202-566-2777
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 09/24/2012
Number of Days to Update: 85	Next Scheduled EDR Contact: 01/07/2013
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/03/2012
Number of Days to Update: 137	Next Scheduled EDR Contact: 10/08/2012
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/11/2012
Date Data Arrived at EDR: 06/14/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 22

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/19/2012
Next Scheduled EDR Contact: 12/31/2012
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 07/09/2012
Date Data Arrived at EDR: 07/12/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 56

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 09/05/2012
Next Scheduled EDR Contact: 12/03/2012
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 08/03/2012
Next Scheduled EDR Contact: 11/19/2012
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/16/2012
Date Data Arrived at EDR: 06/12/2012
Date Made Active in Reports: 07/16/2012
Number of Days to Update: 34

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/05/2012
Next Scheduled EDR Contact: 12/17/2012
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 08/06/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 30

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/21/2012
Next Scheduled EDR Contact: 11/19/2012
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/14/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/06/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 08/29/2012
Number of Days to Update: 8	Next Scheduled EDR Contact: 12/17/2012
	Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/16/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/26/2012	Telephone: 202-564-6023
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 07/27/2012
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/21/2012
Next Scheduled EDR Contact: 09/03/2012
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/12/2012
Date Data Arrived at EDR: 03/13/2012
Date Made Active in Reports: 04/02/2012
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/05/2012
Next Scheduled EDR Contact: 12/24/2012
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/11/2012
Date Data Arrived at EDR: 06/12/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 24

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/11/2012
Next Scheduled EDR Contact: 12/24/2012
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/01/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 03/28/2012
Date Data Arrived at EDR: 05/01/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 24

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 08/03/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 07/19/2012
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 49

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/18/2012
Next Scheduled EDR Contact: 12/31/2012
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 07/19/2012	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/19/2012	Telephone: 866-480-1028
Date Made Active in Reports: 09/06/2012	Last EDR Contact: 09/18/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 12/31/2012
	Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/15/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/04/2012	Telephone: (415) 495-8895
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 08/16/2012
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/15/2012
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 08/07/2012
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/19/2012
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/19/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/29/2012
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/12/2010	Telephone: 202-528-4285
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 09/10/2012
Number of Days to Update: 112	Next Scheduled EDR Contact: 12/24/2012
	Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/01/2012
Date Data Arrived at EDR: 07/24/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 56

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/27/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/27/2012
Date Data Arrived at EDR: 03/14/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 92

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/12/2012
Next Scheduled EDR Contact: 12/24/2012
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/28/2012
Next Scheduled EDR Contact: 12/10/2012
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/04/2012
Next Scheduled EDR Contact: 12/17/2012
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/20/2012
Next Scheduled EDR Contact: 12/10/2012
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/29/2012
Next Scheduled EDR Contact: 10/08/2012
Data Release Frequency: Every 4 Years

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/22/2012
Next Scheduled EDR Contact: 12/10/2012
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/22/2012
Next Scheduled EDR Contact: 12/10/2012
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/27/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 06/21/2012
Number of Days to Update: 61	Next Scheduled EDR Contact: 10/08/2012
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010	Source: EPA
Date Data Arrived at EDR: 11/10/2010	Telephone: 202-566-0500
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 07/19/2012
Number of Days to Update: 98	Next Scheduled EDR Contact: 10/29/2012
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/15/2011	Telephone: 301-415-7169
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 09/05/2012
Number of Days to Update: 60	Next Scheduled EDR Contact: 12/24/2012
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/10/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/12/2012	Telephone: 202-343-9775
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 07/11/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 10/22/2012
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011	Source: EPA
Date Data Arrived at EDR: 12/13/2011	Telephone: (415) 947-8000
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 09/11/2012
Number of Days to Update: 79	Next Scheduled EDR Contact: 12/24/2012
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/31/2012
Next Scheduled EDR Contact: 12/10/2012
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of underground control injection wells.

Date of Government Version: 12/09/2011
Date Data Arrived at EDR: 02/29/2012
Date Made Active in Reports: 04/04/2012
Number of Days to Update: 35

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/19/2012
Next Scheduled EDR Contact: 12/31/2012
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/21/2012
Date Data Arrived at EDR: 05/22/2012
Date Made Active in Reports: 06/21/2012
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/20/2012
Next Scheduled EDR Contact: 12/03/2012
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 04/02/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/11/2012
Number of Days to Update: 69

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CAL SITES]. This listing is no longer updated by the state agency.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/24/2012
Next Scheduled EDR Contact: 01/07/2013
Data Release Frequency: No Update Planned

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 01/19/2012
Date Data Arrived at EDR: 01/19/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 33

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 09/24/2012
Next Scheduled EDR Contact: 12/24/2012
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/27/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 08/15/2011
Date Data Arrived at EDR: 08/23/2011
Date Made Active in Reports: 10/03/2011
Number of Days to Update: 41

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 09/05/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 14

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/16/2012
Next Scheduled EDR Contact: 10/29/2012
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2008	Source: California Air Resources Board
Date Data Arrived at EDR: 09/29/2010	Telephone: 916-322-2990
Date Made Active in Reports: 10/18/2010	Last EDR Contact: 06/29/2012
Number of Days to Update: 19	Next Scheduled EDR Contact: 10/08/2012
	Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/19/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/29/2012
	Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 07/19/2012
Number of Days to Update: 54	Next Scheduled EDR Contact: 11/05/2012
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 05/24/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/05/2012	Telephone: 202-566-1917
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 08/14/2012
Number of Days to Update: 9	Next Scheduled EDR Contact: 12/03/2012
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/13/2012	Telephone: 617-520-3000
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 08/07/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 11/26/2012
	Data Release Frequency: Quarterly

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/27/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/19/2012
Next Scheduled EDR Contact: 10/29/2012
Data Release Frequency: N/A

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/16/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 06/01/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 08/03/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/23/2012
Date Data Arrived at EDR: 05/24/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 43

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/14/2012
Next Scheduled EDR Contact: 12/03/2012
Data Release Frequency: Varies

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/31/2012
Date Data Arrived at EDR: 06/01/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 60

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/28/2012
Next Scheduled EDR Contact: 12/10/2012
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/16/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/17/2012	Telephone: 916-440-7145
Date Made Active in Reports: 09/06/2012	Last EDR Contact: 07/17/2012
Number of Days to Update: 51	Next Scheduled EDR Contact: 10/29/2012
	Data Release Frequency: Quarterly

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 09/14/2012
Number of Days to Update: 77	Next Scheduled EDR Contact: 12/24/2012
	Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 07/16/2012
Number of Days to Update: 76	Next Scheduled EDR Contact: 10/29/2012
	Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 06/01/2012	Source: Department of Public Health
Date Data Arrived at EDR: 06/12/2012	Telephone: 916-558-1784
Date Made Active in Reports: 07/06/2012	Last EDR Contact: 09/10/2012
Number of Days to Update: 24	Next Scheduled EDR Contact: 12/24/2012
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 08/03/2012
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Varies

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/11/2012	Source: Department of Conservation
Date Data Arrived at EDR: 06/14/2012	Telephone: 916-323-3836
Date Made Active in Reports: 07/06/2012	Last EDR Contact: 09/19/2012
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/31/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 04/03/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/08/2012
Number of Days to Update: 34

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/27/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/03/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/08/2012
Number of Days to Update: 34

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/27/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 06/13/2012
Date Data Arrived at EDR: 06/14/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 22

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 08/06/2012
Next Scheduled EDR Contact: 11/19/2012
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 08/16/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 09/24/2012
Next Scheduled EDR Contact: 01/07/2013
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/29/2012
Date Data Arrived at EDR: 05/29/2012
Date Made Active in Reports: 06/21/2012
Number of Days to Update: 23

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/16/2012
Next Scheduled EDR Contact: 10/26/2012
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/23/2012
Date Data Arrived at EDR: 07/26/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 42

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/05/2012
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009	Source: Engineering & Construction Division
Date Data Arrived at EDR: 03/10/2009	Telephone: 213-473-7869
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 09/13/2012
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/03/2012
	Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 12/29/2011	Source: Community Health Services
Date Data Arrived at EDR: 02/02/2012	Telephone: 323-890-7806
Date Made Active in Reports: 02/21/2012	Last EDR Contact: 07/17/2012
Number of Days to Update: 19	Next Scheduled EDR Contact: 11/05/2012
	Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 07/24/2012	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 07/27/2012	Telephone: 310-524-2236
Date Made Active in Reports: 09/14/2012	Last EDR Contact: 07/17/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/05/2012
	Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 10/23/2003	Telephone: 562-570-2563
Date Made Active in Reports: 11/26/2003	Last EDR Contact: 07/26/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/12/2012	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 07/23/2012	Telephone: 310-618-2973
Date Made Active in Reports: 08/02/2012	Last EDR Contact: 07/12/2012
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/29/2012
	Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 07/24/2012	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 07/31/2012	Telephone: 415-499-6647
Date Made Active in Reports: 09/14/2012	Last EDR Contact: 07/23/2012
Number of Days to Update: 45	Next Scheduled EDR Contact: 10/22/2012
	Data Release Frequency: Semi-Annually

NAPA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 12/06/2011	Telephone: 707-253-4269
Date Made Active in Reports: 02/07/2012	Last EDR Contact: 08/29/2012
Number of Days to Update: 63	Next Scheduled EDR Contact: 12/17/2012
	Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 01/16/2008	Telephone: 707-253-4269
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 12/05/2012
Number of Days to Update: 23	Next Scheduled EDR Contact: 12/17/2012
	Data Release Frequency: No Update Planned

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 08/02/2012	Source: Health Care Agency
Date Data Arrived at EDR: 08/13/2012	Telephone: 714-834-3446
Date Made Active in Reports: 09/06/2012	Last EDR Contact: 08/07/2012
Number of Days to Update: 24	Next Scheduled EDR Contact: 11/26/2012
	Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/02/2012	Source: Health Care Agency
Date Data Arrived at EDR: 08/13/2012	Telephone: 714-834-3446
Date Made Active in Reports: 09/06/2012	Last EDR Contact: 08/07/2012
Number of Days to Update: 24	Next Scheduled EDR Contact: 11/26/2012
	Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/02/2012	Source: Health Care Agency
Date Data Arrived at EDR: 08/13/2012	Telephone: 714-834-3446
Date Made Active in Reports: 09/14/2012	Last EDR Contact: 08/07/2012
Number of Days to Update: 32	Next Scheduled EDR Contact: 11/26/2012
	Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/12/2012	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 06/13/2012	Telephone: 530-889-7312
Date Made Active in Reports: 07/06/2012	Last EDR Contact: 09/05/2012
Number of Days to Update: 23	Next Scheduled EDR Contact: 12/24/2012
	Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/18/2012	Source: Department of Environmental Health
Date Data Arrived at EDR: 07/19/2012	Telephone: 951-358-5055
Date Made Active in Reports: 09/06/2012	Last EDR Contact: 09/24/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 01/07/2013
	Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/18/2012	Source: Department of Environmental Health
Date Data Arrived at EDR: 07/19/2012	Telephone: 951-358-5055
Date Made Active in Reports: 08/06/2012	Last EDR Contact: 09/24/2012
Number of Days to Update: 18	Next Scheduled EDR Contact: 01/07/2013
	Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/07/2012	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 04/16/2012	Telephone: 916-875-8406
Date Made Active in Reports: 05/08/2012	Last EDR Contact: 07/13/2012
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/22/2012
	Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/02/2012	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 04/17/2012	Telephone: 916-875-8406
Date Made Active in Reports: 05/08/2012	Last EDR Contact: 07/13/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/22/2012
	Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/30/2012	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 05/31/2012	Telephone: 909-387-3041
Date Made Active in Reports: 07/06/2012	Last EDR Contact: 08/13/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 11/26/2012
	Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/09/2010
Date Data Arrived at EDR: 09/15/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 14

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/05/2012
Next Scheduled EDR Contact: 12/24/2012
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2011
Date Data Arrived at EDR: 11/04/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 39

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 09/05/2012
Next Scheduled EDR Contact: 12/24/2012
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/25/2012
Date Data Arrived at EDR: 06/27/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 34

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/24/2012
Next Scheduled EDR Contact: 01/07/2013
Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 07/09/2012
Date Data Arrived at EDR: 07/16/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 52

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/18/2012
Next Scheduled EDR Contact: 12/31/2012
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/19/2012
Date Data Arrived at EDR: 06/20/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 16

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/13/2012
Next Scheduled EDR Contact: 12/31/2012
Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 06/04/2012
Date Data Arrived at EDR: 06/08/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 28

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 09/04/2012
Next Scheduled EDR Contact: 12/17/2012
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/15/2012
Date Data Arrived at EDR: 05/15/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 10

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/18/2012
Date Data Arrived at EDR: 06/21/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 15

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/13/2012
Next Scheduled EDR Contact: 12/31/2012
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/18/2012
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 14

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/13/2012
Next Scheduled EDR Contact: 12/31/2012
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 03/31/2012
Date Data Arrived at EDR: 06/29/2012
Date Made Active in Reports: 08/09/2012
Number of Days to Update: 41

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/27/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 06/11/2012
Date Data Arrived at EDR: 06/12/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 24

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 09/05/2012
Next Scheduled EDR Contact: 12/24/2012
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/30/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 42

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/24/2012
Next Scheduled EDR Contact: 12/03/2012
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/03/2012
Next Scheduled EDR Contact: 10/22/2012
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/14/2012
Next Scheduled EDR Contact: 12/03/2012
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 06/28/2012	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 08/02/2012	Telephone: 805-654-2813
Date Made Active in Reports: 09/06/2012	Last EDR Contact: 07/30/2012
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 06/27/2012	Source: Environmental Health Division
Date Data Arrived at EDR: 06/29/2012	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2012	Last EDR Contact: 09/18/2012
Number of Days to Update: 32	Next Scheduled EDR Contact: 12/31/2012
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/29/2012	Source: Yolo County Department of Health
Date Data Arrived at EDR: 07/09/2012	Telephone: 530-666-8646
Date Made Active in Reports: 08/02/2012	Last EDR Contact: 09/24/2012
Number of Days to Update: 24	Next Scheduled EDR Contact: 01/07/2013
	Data Release Frequency: Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/20/2012	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 08/20/2012	Telephone: 860-424-3375
Date Made Active in Reports: 09/20/2012	Last EDR Contact: 08/20/2012
Number of Days to Update: 31	Next Scheduled EDR Contact: 12/03/2012
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 08/28/2012	Last EDR Contact: 07/19/2012
Number of Days to Update: 40	Next Scheduled EDR Contact: 10/29/2012
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/01/2012
Date Data Arrived at EDR: 05/09/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/09/2012
Next Scheduled EDR Contact: 11/19/2012
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/19/2012
Next Scheduled EDR Contact: 11/05/2012
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/23/2012
Next Scheduled EDR Contact: 12/10/2012
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/27/2012
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/18/2012
Next Scheduled EDR Contact: 12/31/2012
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.
Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SMUD COLLINSVILLE
COLLINSVILLE, CA
BIRDS LANDING, CA 94512

TARGET PROPERTY COORDINATES

Latitude (North):	38.0852 - 38° 5' 6.72"
Longitude (West):	121.8326 - 121° 49' 57.36"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	602380.2
UTM Y (Meters):	4215705.5
Elevation:	73 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	38121-A7 ANTIOCH NORTH, CA
Most Recent Revision:	1978

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

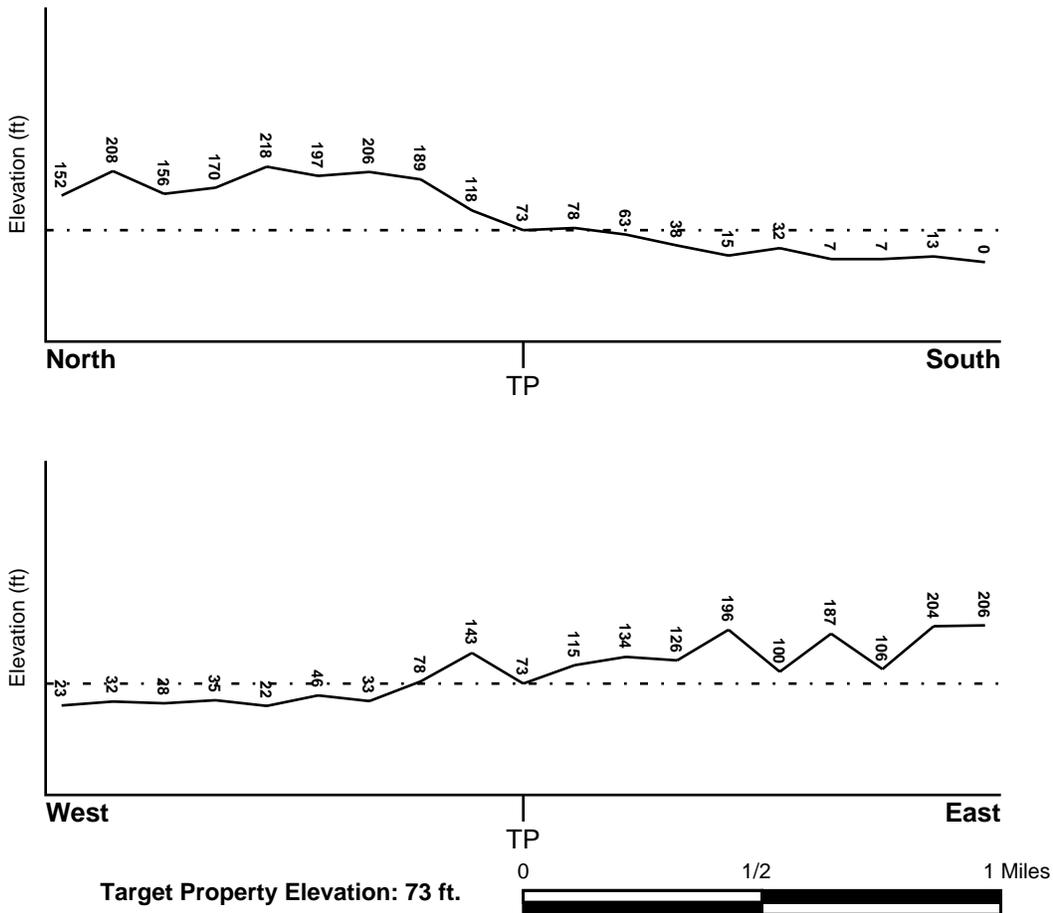
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> SOLANO, CA	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	06095C - FEMA DFIRM Flood data
Additional Panels in search area:	0602620665C - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> ANTIOCH NORTH	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map
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HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

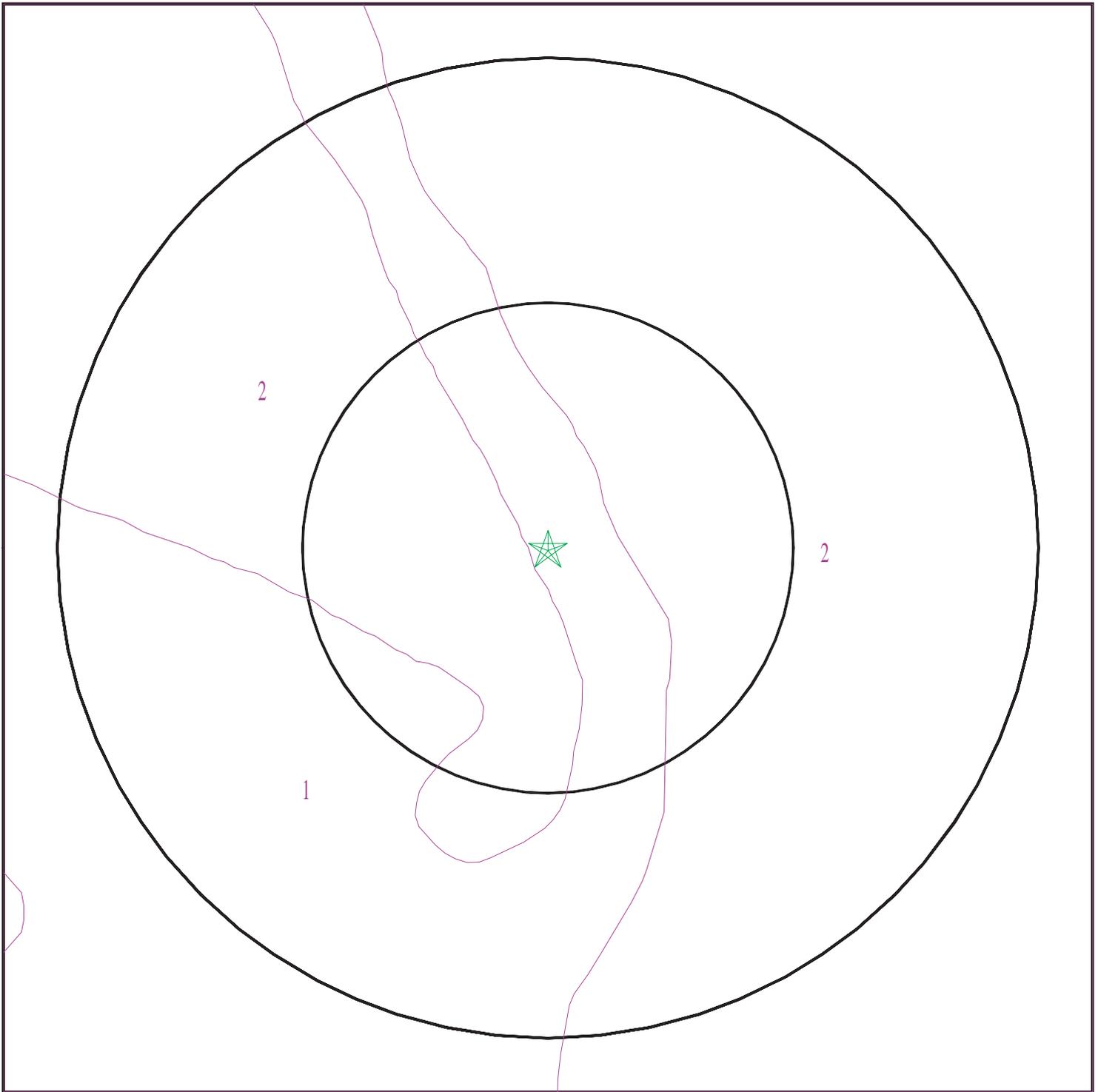
Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 3420068.1s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: SMUD Collinsville
ADDRESS: Collinsville, CA
Birds Landing CA 94512
LAT/LONG: 38.0852 / 121.8326

CLIENT: URS Corporation
CONTACT: Tony Mindling
INQUIRY #: 3420068.1s
DATE: September 27, 2012 6:06 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Diablo

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
2	29 inches	40 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
3	40 inches	44 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Diablo

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	25 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
2	25 inches	40 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
3	40 inches	44 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	2.000
Federal FRDS PWS	Nearest PWS within 2.000 miles
State Database	2.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
3	USGS3227653	1 - 2 Miles WNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

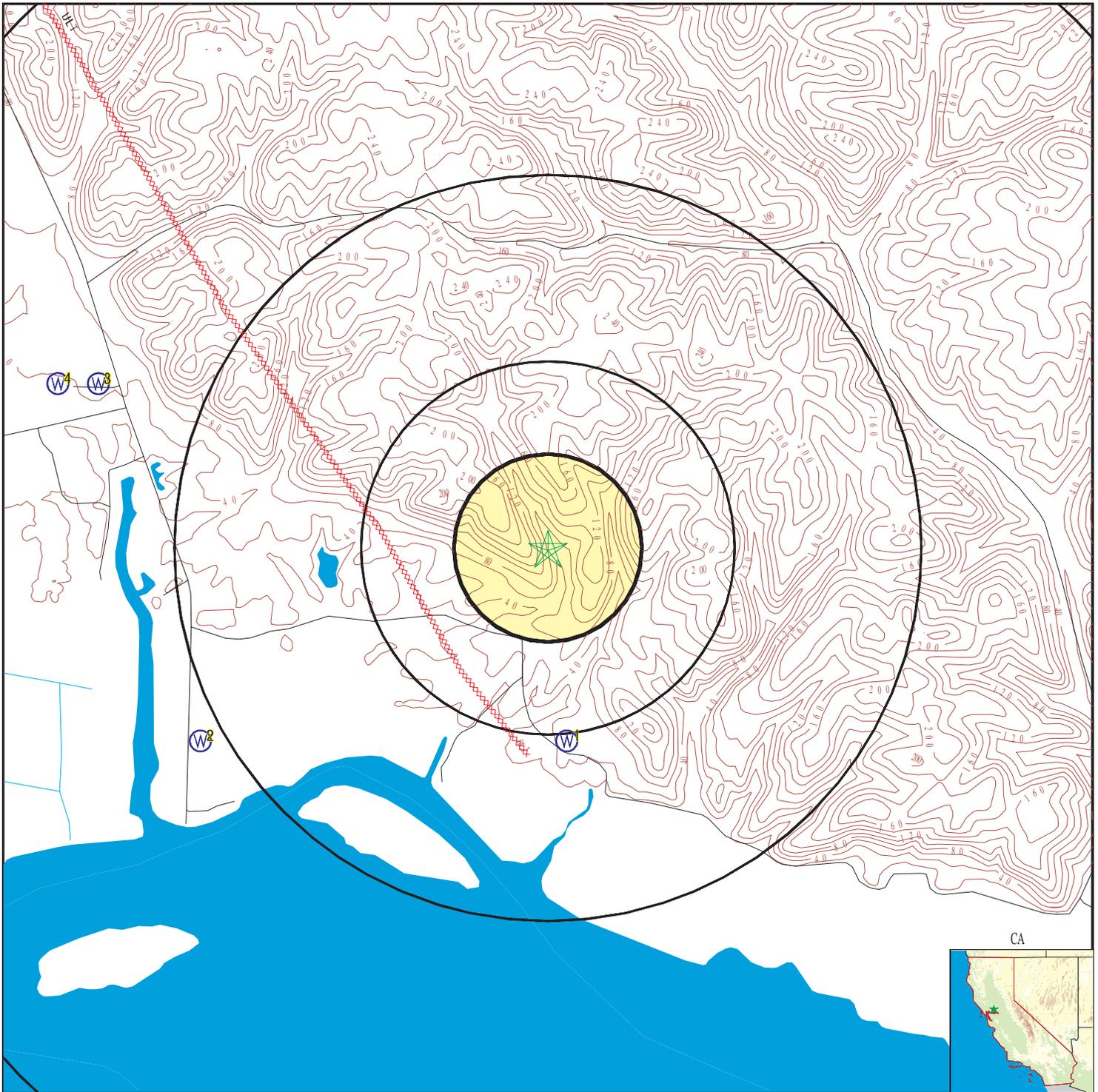
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	3276	1/2 - 1 Mile South
2	3277	1 - 2 Miles WSW
4	3275	1 - 2 Miles WNW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG80000202958	1 - 2 Miles ENE

PHYSICAL SETTING SOURCE MAP - 3420068.1s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: SMUD Collinsville
 ADDRESS: Collinsville, CA
 Birds Landing CA 94512
 LAT/LONG: 38.0852 / 121.8326

CLIENT: URS Corporation
 CONTACT: Tony Mindling
 INQUIRY #: 3420068.1s
 DATE: September 27, 2012 6:06 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
South
1/2 - 1 Mile
Lower

CA WELLS 3276

Water System Information:

Prime Station Code:	03N/01E-26G01 M	User ID:	ENG
FRDS Number:	4800566001	County:	Solano
District Number:	04	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	380440.0 1214950.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01 - INACTIVE		
System Number:	4800566		
System Name:	COLLINSVILLE FISHING RESORT		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

2
WSW
1 - 2 Miles
Lower

CA WELLS 3277

Water System Information:

Prime Station Code:	03N/01E-27G02 M	User ID:	ENG
FRDS Number:	4800511001	County:	Solano
District Number:	04	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	380440.0 1215055.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	4800511		
System Name:	COLLINSVILLE WATER WORKS		
Organization That Operates System:	Not Reported		
Pop Served:	30	Connections:	Unknown, Small System
Area Served:	Not Reported		
Sample Collected:	10/04/2006	Findings:	3.09 PCI/L
Chemical:	GROSS ALPHA		

3
WNW
1 - 2 Miles
Lower

FED USGS USGS3227653

Agency cd:	USGS	Site no:	380530121511301
Site name:	003N001E22F001M	EDR Site id:	USGS3227653
Latitude:	380530	Dec lat:	38.09158525
Longitude:	1215113	Coor meth:	M
Dec lon:	-121.85468053	Latlong datum:	NAD27
Coor accr:	U	District:	06
Dec latlong datum:	NAD83	County:	077
State:	06	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	5		
Altitude datum:	Not Reported		
Hydrologic:	Suisun Bay. California. Area = 644 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1971-01-25
Water quality data end date:	1972-03-21	Water quality data count:	17
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

4
WNW
1 - 2 Miles
Lower

CA WELLS 3275

Water System Information:

Prime Station Code:	03N/01E-22F04 M	User ID:	ENG
FRDS Number:	4800574001	County:	Solano
District Number:	04	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	380530.0 1215120.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	4800574		
System Name:	DANA RANCH		
Organization That Operates System:	Not Reported		
Pop Served:	35	Connections:	Unknown, Small System
Area Served:	Not Reported		
Sample Collected:	08/01/2011	Findings:	1300. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/01/2011	Findings:	7.8
Chemical:	PH, LABORATORY		
Sample Collected:	08/01/2011	Findings:	390. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	08/01/2011	Findings:	360. MG/L
Chemical:	BICARBONATE ALKALINITY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/01/2011	Findings:	32. MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	08/01/2011	Findings:	58. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	08/01/2011	Findings:	11. MG/L
Chemical:	CALCIUM		
Sample Collected:	08/01/2011	Findings:	8.1 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/01/2011	Findings:	278. MG/L
Chemical:	SODIUM		
Sample Collected:	08/01/2011	Findings:	1.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/01/2011	Findings:	150. MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/01/2011	Findings:	0.11 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/01/2011	Findings:	9. UG/L
Chemical:	ARSENIC		
Sample Collected:	08/01/2011	Findings:	29. UG/L
Chemical:	SELENIUM		
Sample Collected:	08/01/2011	Findings:	750. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/01/2011	Findings:	9.1 MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	08/01/2011	Findings:	2000. UG/L
Chemical:	NITRATE + NITRITE (AS N)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
ENE
1 - 2 Miles

OIL_GAS CAOG80000202958

Districtnu:	6	Apinumber:	09500428
Activewell:	N	Well type:	DG
Wellsymbol:	DH	Confidenti:	Not Reported
Operatorna:	D.D. Feldman Oil & Gas		
Wellnumber:	1	Leasename:	Natural Gas Corp. Robbins
Blmwell:	Not Reported	Countyname:	Solano
Fieldname:	Not Reported		
Areaname:	Not Reported		
Section :	19	Township:	3N
Range:	2E	Basemeridi:	MD
Elevation:	Not Reported		
Locationde:	Not Reported		
Latitude83:	38.089819		
Longitude8:	-121.805258		
Gissourcec:	HUD		
Comments:	Not Reported		
Operatorco:	T1800	Cacountyco:	095
Fieldcode:	000	Areacode:	00
Td:	7010		
Site id:	CAOG80000202958		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for SOLANO County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SOLANO COUNTY, CA

Number of sites tested: 41

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.993 pCi/L	95%	5%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	-0.433 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D

HISTORIC RESEARCH DOCUMENTATION

AERIAL PHOTOGRAPHS



SMUD Collinsville

Collinsville, CA

Birds Landing, CA 94512

Inquiry Number: 3425729.1

October 11, 2012

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

Aerial Photography October 11, 2012

Target Property:

Collinsville, CA

Birds Landing, CA 94512

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1937	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1937	Laval
1937	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1937	Laval
1957	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1957	Cartwright
1957	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1957	Cartwright
1965	Aerial Photograph. Scale: 1"=800'	Flight Year: 1965	Cartwright
1965	Aerial Photograph. Scale: 1"=800'	Flight Year: 1965	Cartwright
1970	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1970	Cartwright
1970	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1970	Cartwright
1984	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1984	USGS
1984	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1984	USGS
1993	Aerial Photograph. Scale: 1"=500'	/Composite DOQQ - acquisition dates: 1993	EDR
1998	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1998	USGS
1998	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1998	USGS
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	EDR



INQUIRY #: 3425729.1

YEAR: 1937

| = 1000'



ABO-56



INQUIRY #: 3425729.1

YEAR: 1937

| = 1000'





INQUIRY #: 3425729.1

YEAR: 1957

| = 1000'





INQUIRY #: 3425729.1

YEAR: 1957

| = 1000'





INQUIRY #: 3425729.1

YEAR: 1965

| = 800'



SOL 26-151



INQUIRY #: 3425729.1

YEAR: 1965

| = 800'





INQUIRY #: 3425729.1

YEAR: 1970

 = 1000'





INQUIRY #: 3425729.1

YEAR: 1970

— = 1000'



127-2

INQUIRY #: 3425729.1

YEAR: 1984

| = 1000'



127

INQUIRY #: 3425729.1

YEAR: 1984

— = 1000'





INQUIRY #: 3425729.1

YEAR: 1993

| = 500'





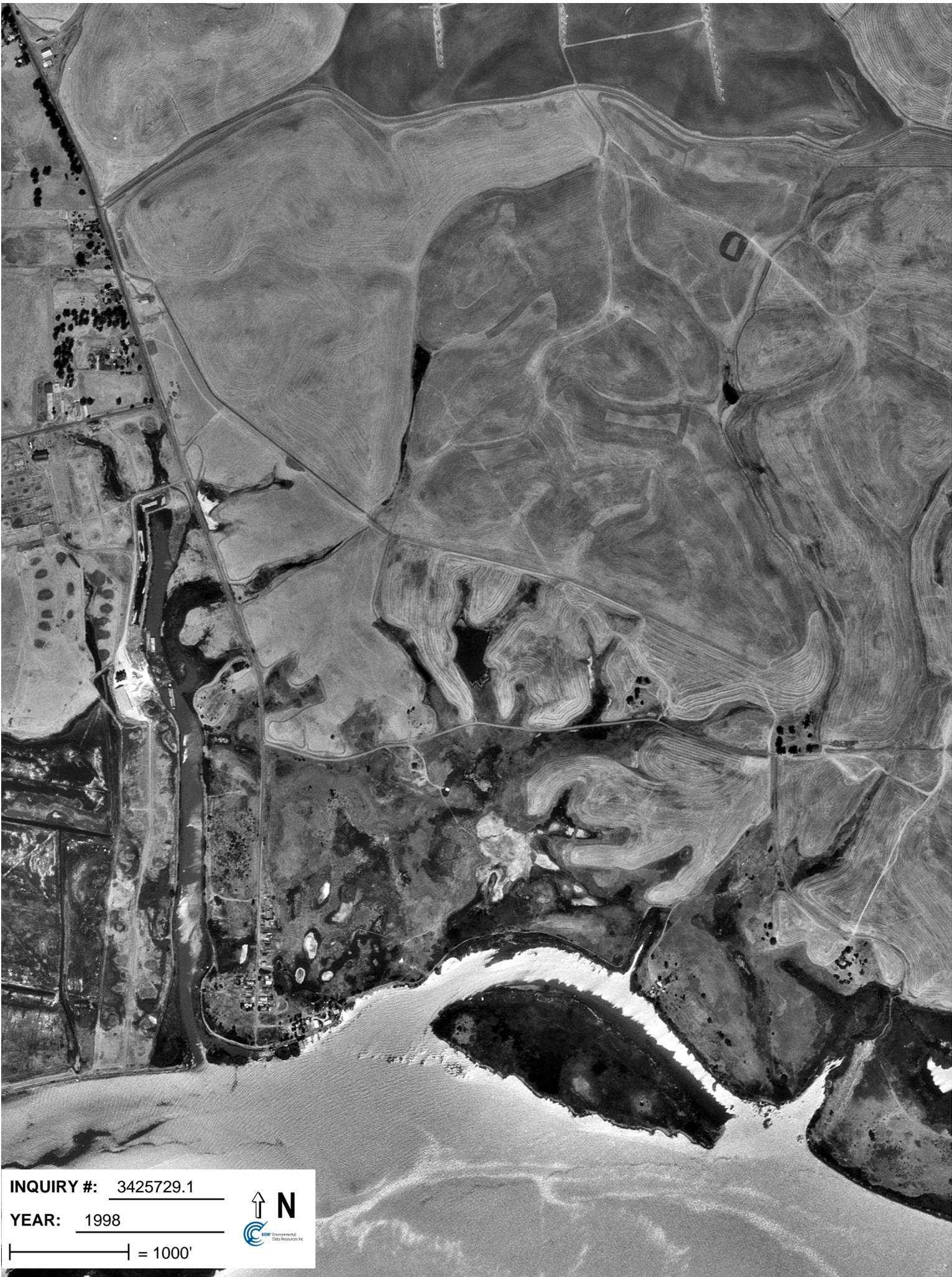
INQUIRY #: 3425729.1

YEAR: 1998



| = 1000'





INQUIRY #: 3425729.1

YEAR: 1998

| = 1000'





INQUIRY #: 3425729.1

YEAR: 2005

 = 500'





INQUIRY #: 3425729.1

YEAR: 2006

 = 500'



TOPOGRAPHIC MAPS



SMUD Collinsville

Collinsville, CA

Birds Landing, CA 94512

Inquiry Number: 3419826.4

September 27, 2012

EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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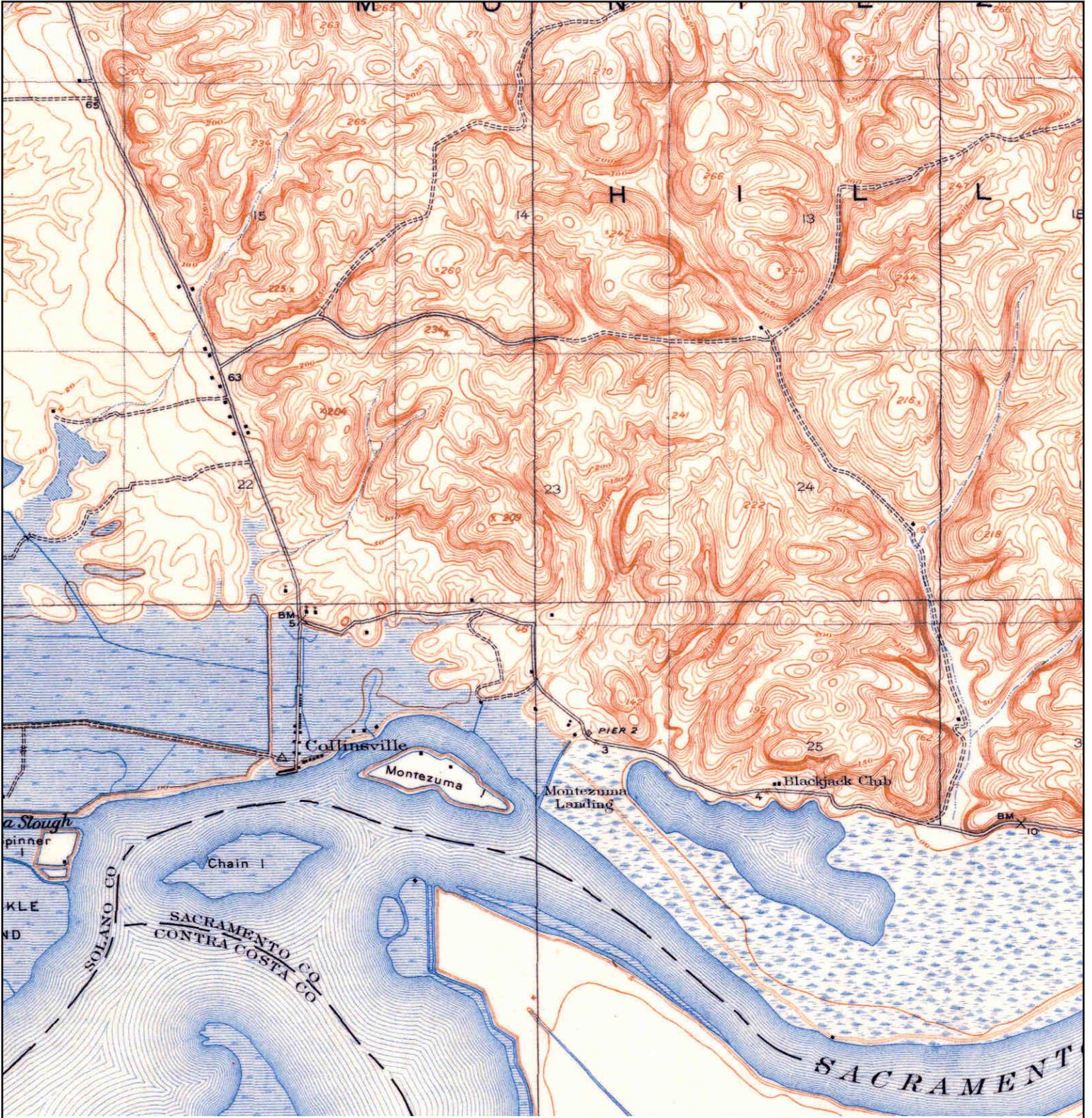
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Historical Topographic Map



	TARGET QUAD	SITE NAME: SMUD Collinsville	CLIENT: URS Corporation
	NAME: ANTIOCH	ADDRESS: Collinsville, CA Birds Landing, CA 94512	CONTACT: Tony Mindling
	MAP YEAR: 1908	LAT/LONG: 38.0852 / -121.8326	INQUIRY#: 3419826.4
	SERIES: 15		RESEARCH DATE: 09/27/2012
	SCALE: 1:62500		

Historical Topographic Map



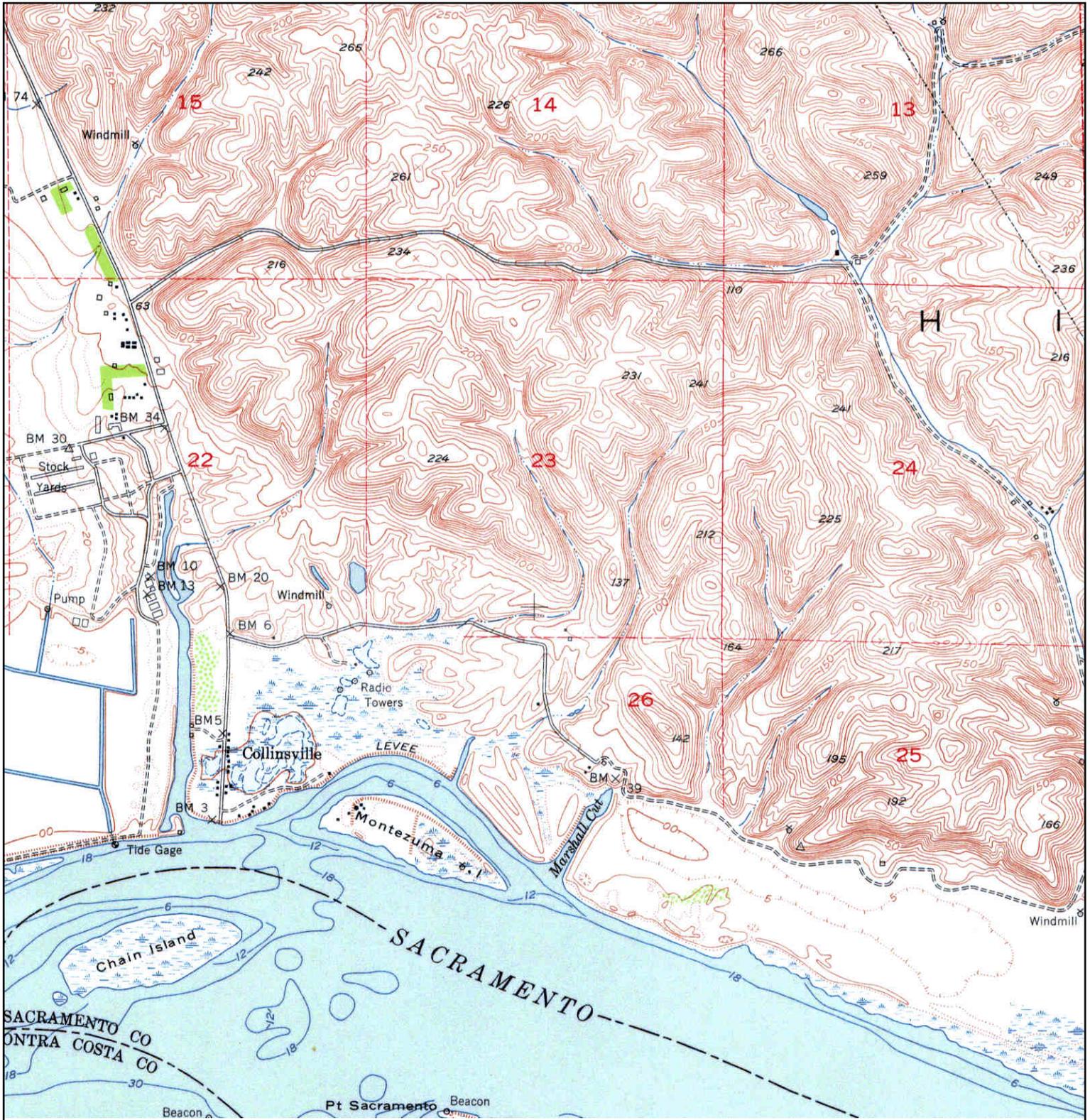
N ↑	TARGET QUAD	SITE NAME: SMUD Collinsville	CLIENT: URS Corporation
	NAME: COLLINSVILLE	ADDRESS: Collinsville, CA	CONTACT: Tony Mindling
	MAP YEAR: 1918	Birds Landing, CA 94512	INQUIRY#: 3419826.4
	SERIES: 7.5	LAT/LONG: 38.0852 / -121.8326	RESEARCH DATE: 09/27/2012
	SCALE: 1:31680		

Historical Topographic Map



<p>N</p> 	TARGET QUAD	SITE NAME:	SMUD Collinsville	CLIENT:	URS Corporation
	NAME: PITTSBURG	ADDRESS:	Collinsville, CA	CONTACT:	Tony Minding
	MAP YEAR: 1953	LAT/LONG:	Birds Landing, CA 94512	INQUIRY#:	3419826.4
	SERIES: 15			RESEARCH DATE:	09/27/2012
	SCALE: 1:62500				

Historical Topographic Map



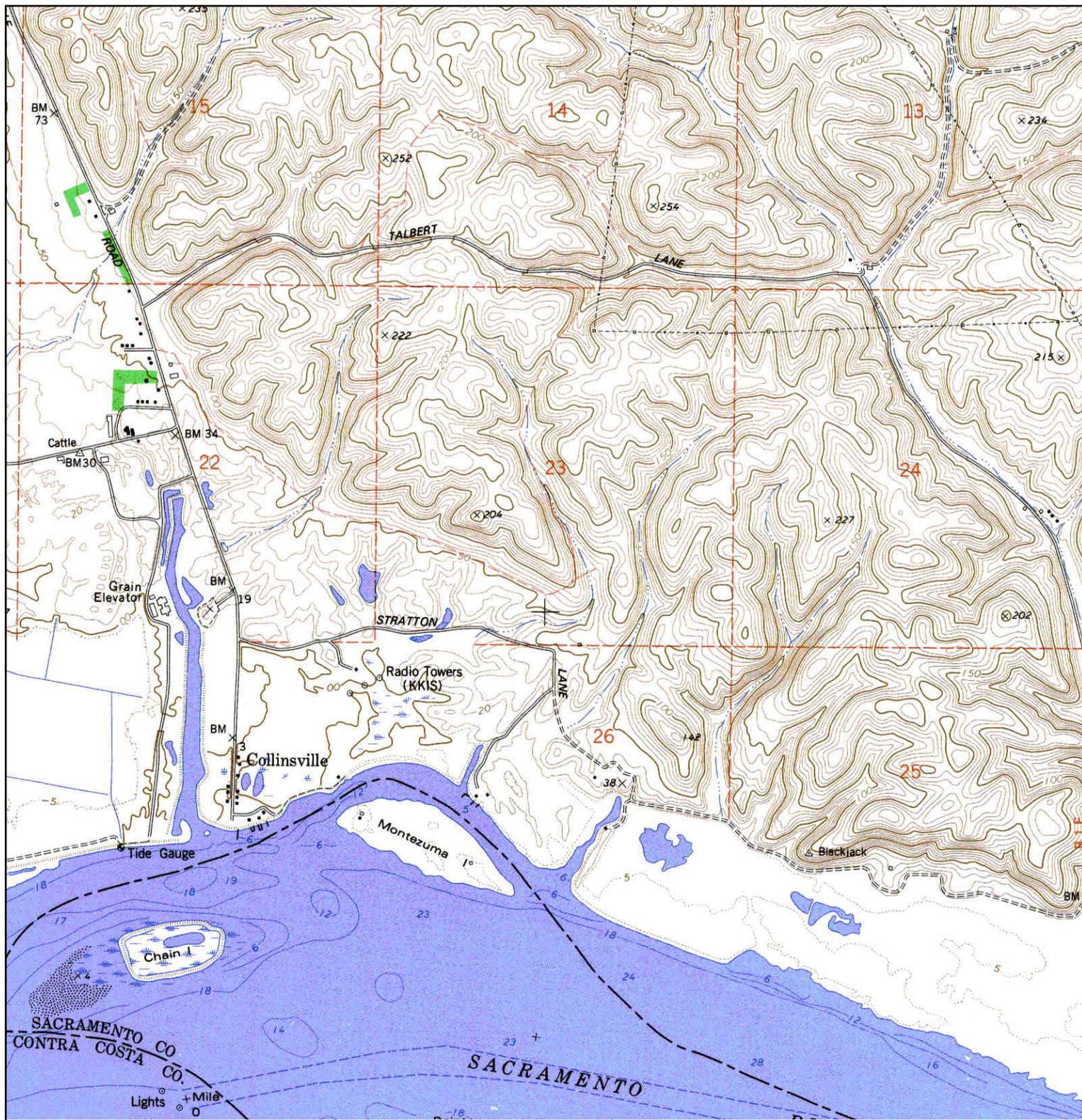
<p>N</p>	<p>TARGET QUAD</p>	<p>SITE NAME: SMUD Collinsville</p>	<p>CLIENT: URS Corporation</p>
	<p>NAME: ANTIOCH NORTH</p>	<p>ADDRESS: Collinsville, CA</p>	<p>CONTACT: Tony Minding</p>
	<p>MAP YEAR: 1953</p>	<p>Birds Landing, CA 94512</p>	<p>INQUIRY#: 3419826.4</p>
	<p>SERIES: 7.5</p>	<p>LAT/LONG: 38.0852 / -121.8326</p>	<p>RESEARCH DATE: 09/27/2012</p>
	<p>SCALE: 1:24000</p>		

Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME: SMUD Collinsville	CLIENT: URS Corporation
	NAME: ANTIOCH NORTH	ADDRESS: Collinsville, CA	CONTACT: Tony Minding
	MAP YEAR: 1968	Birds Landing, CA 94512	INQUIRY#: 3419826.4
	PHOTOREVISED FROM :1953	LAT/LONG: 38.0852 / -121.8326	RESEARCH DATE: 09/27/2012
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: ANTIOCH NORTH MAP YEAR: 1978</p>	<p>SITE NAME: SMUD Collinsville ADDRESS: Collinsville, CA Birds Landing, CA 94512 LAT/LONG: 38.0852 / -121.8326</p>	<p>CLIENT: URS Corporation CONTACT: Tony Mindling INQUIRY#: 3419826.4 RESEARCH DATE: 09/27/2012</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>		

SANBORN MAPS



SMUD Collinsville

Collinsville, CA

Birds Landing, CA 94512

Inquiry Number: 3419826.3

September 27, 2012

Certified Sanborn® Map Report

Certified Sanborn® Map Report

9/27/12

Site Name:

SMUD Collinsville
Collinsville, CA
Birds Landing, CA 94512

Client Name:

URS Corporation
2870 Gateway Oaks Drive
Sacramento, CA 95833



EDR Inquiry # 3419826.3

Contact: Tony Mindling

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by URS Corporation were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: SMUD Collinsville
Address: Collinsville, CA
City, State, Zip: Birds Landing, CA 94512
Cross Street:
P.O. # SMUD Collinsville
Project: SMUD Collinsville
Certification # 89CE-45CF-9A4A



Sanborn® Library search results
Certification # 89CE-45CF-9A4A

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

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- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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Determination of No Hazard to Air Navigation



Mail Processing Center
 Federal Aviation Administration
 Southwest Regional Office
 Obstruction Evaluation Group
 10101 Hillwood Parkway
 Fort Worth, TX 76177

Aeronautical Study No.
 2018-WTW-13388-OE

Issued Date: 02/01/2019

Amanda Beck
 Sacramento Municipal Utility District
 6201 S St., MS MD-2
 Sacramento, CA 95817

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Wind Turbine P1R1
 Location: Rio Vista, CA
 Latitude: 38-07-54.16N NAD 83
 Longitude: 121-46-31.47W
 Heights: 208 feet site elevation (SE)
 591 feet above ground level (AGL)
 799 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure would have no substantial adverse effect on the safe and efficient utilization of the navigable airspace by aircraft or on the operation of air navigation facilities. Therefore, pursuant to the authority delegated to me, it is hereby determined that the structure would not be a hazard to air navigation provided the following condition(s) is(are) met:

As a condition to this Determination, the structure is to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 L Change 2, Obstruction Marking and Lighting, white paint/synchronized red lights - Chapters 4,12&13(Turbines).

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 60 days prior to start of construction (7460-2, Part 1)
- Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

See attachment for additional condition(s) or information.

This determination expires on 08/01/2020 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is subject to review if an interested party files a petition that is received by the FAA on or before March 03, 2019. In the event a petition for review is filed, it must contain a full statement of the basis upon which it is made and be submitted to the Manager of the Airspace Policy Group. Petitions can be submitted via mail to Federal Aviation Administration, 800 Independence Ave, SW, Room 423, Washington, DC 20591, via email at OEPetitions@faa.gov, or via facsimile (202) 267-9328.

This determination becomes final on March 13, 2019 unless a petition is timely filed. In which case, this determination will not become final pending disposition of the petition. Interested parties will be notified of the grant of any review. For any questions regarding your petition, please contact Airspace Policy Group via telephone – 202-267-8783.

This determination is based, in part, on the foregoing description which includes specific coordinates and heights. This determination is valid for coordinates within one (1) second latitude/longitude and up to the approved AMSL height listed above. If a certified 1A or 2C accuracy survey was required to mitigate an adverse effect, any change in coordinates or increase in height will require a new certified accuracy survey and may require a new aeronautical study.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

Additional wind turbines or met towers proposed in the future may cause a cumulative effect on the national airspace system. All information from submission of Supplemental Notice (7460-2 Part 2) will be considered the final data (including heights) for this structure. Any future construction or alteration, including but not limited to changes in heights, requires separate notice to the FAA.

Obstruction marking and lighting recommendations for wind turbine farms are based on the scheme for the entire project. ANY change to the height, location or number of turbines within this project will require a reanalysis of the marking and lighting recommendation for the entire project. In particular, the removal of previously planned or built turbines/turbine locations from the project will often result in a change in the marking/lighting recommendation for other turbines within the project. It is the proponent's responsibility to contact the FAA to discuss the process for developing a revised obstruction marking and lighting plan should this occur.

In order to ensure proper conspicuity of turbines at night during construction, all turbines should be lit with temporary lighting once they reach a height of 200 feet or greater until such time the permanent lighting configuration is turned on. As the height of the structure continues to increase, the temporary lighting should be relocated to the uppermost part of the structure. The temporary lighting may be turned off for periods when they would interfere with construction personnel. If practical, permanent obstruction lights should be installed and operated at each level as construction progresses. An FAA Type L-810 steady red light fixture shall be

used to light the structure during the construction phase. If power is not available, turbines shall be lit with self-contained, solar powered LED steady red light fixture that meets the photometric requirements of an FAA Type L-810 lighting system. The lights should be positioned to ensure that a pilot has an unobstructed view of at least one light at each level. The use of a NOTAM (D) to not light turbines within a project until the entire project has been completed is prohibited.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

This aeronautical study considered and analyzed the impact on existing and proposed arrival, departure, and en route procedures for aircraft operating under both visual flight rules and instrument flight rules; the impact on all existing and planned public-use airports, military airports and aeronautical facilities; and the cumulative impact resulting from the studied structure when combined with the impact of other existing or proposed structures. The study disclosed that the described structure would have no substantial adverse effect on air navigation.

An account of the study findings, aeronautical objections received by the FAA during the study (if any), and the basis for the FAA's decision in this matter can be found on the following page(s).

If we can be of further assistance, please contact Steve Phillips, at (816) 329-2523, or steve.phillips@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2018-WTW-13388-OE.

Signature Control No: 387140385-395150226

(DNH -WT)

Mike Helvey

Manager, Obstruction Evaluation Group

Attachment(s)

Additional Information

Map(s)

Additional information for ASN 2018-WTW-13388-OE

Abbreviations:

AGL, Above Ground Level
AMSL, Above Mean Sea Level
ARSR, Air Route Surveillance Radar
ASN, Aeronautical Study Number
ASR, Airport Surveillance Radar
ATC, Air Traffic Control
CAT, Category
CFR, Code of Federal Regulations
DASR, Digital Airport Surveillance Radar
IFR, Instrument Flight Rules
MVA, Minimum Vectoring Altitude
NM, Nautical Mile
RWY, Runway
TPA, Traffic Pattern Airspace
TRACON, Terminal Radar Approach Control
VFR, Visual Flight Rules

The proposed structures are part of a proposed wind farm that would be located approximately 5.02 - 9.07 NM southwest of the Airport Reference Point for the Rio Vista Municipal Airport (O88), Rio Vista, CA. The ASNs with coordinates, AGL heights, and AMSL heights are as shown on page one. They would exceed the obstruction standards of 14 CFR Part 77 as follows:

Section 77.17(a)(1): by 92 feet; a height that exceeds 499 feet AGL.

Section 77.17(a)(2): A height that is 200 feet AGL, or above the established airport elevation, whichever is higher, within 3 NM miles of the established reference point of O88 and that height increases in the proportion of 100 feet for each additional NM from the airport up to a maximum of 499 feet. The following would exceed:

2018-WTW-13388-OE by 190 feet
2018-WTW-13389-OE by 187 feet
2018-WTW-13390-OE by 169 feet
2018-WTW-13391-OE by 154 feet
2018-WTW-13392-OE by 141 feet

2018-WTW-13393-OE by 179 feet
2018-WTW-13394-OE by 167 feet
2018-WTW-13395-OE by 163 feet
2018-WTW-13396-OE by 156 feet

Section 77.17(a)(3): A height that increases a minimum instrument flight altitude within a terminal area;

The following would increase the Northern California TRACON (NCT) MVA for NCT_MVA_FUS3_2017 Sector MCC_B from 1,700 feet AMSL to 1,800 feet AMSL.

2018-WTW-13388-OE
2018-WTW-13389-OE
2018-WTW-13390-OE
2018-WTW-13391-OE
2018-WTW-13393-OE

2018-WTW-13397-OE
2018-WTW-13398-OE
2018-WTW-13399-OE
2018-WTW-13400-OE
2018-WTW-13403-OE

2018-WTW-13404-OE
2018-WTW-13405-OE

The turbines would be within the line of sight of the Stockton, CA. (SCK) ASR-11, the Travis (SUU) DASR, the Mill Valley (QMV) ARSR-4, and the McClellan (MCC) ASR-9 facilities. The proposals will affect the quality and/or availability of radar signals. The effects would be unwanted primary returns (clutter) and primary target drops, all in the area of the turbines. Tracked primary targets could diverge from the aircraft path and follow wind turbines, when the aircraft is over or near the turbines.

In order to facilitate the public comment process, the studies were circularized under ASN 2018-WTW-13388-OE on December 04, 2018, to all known aviation interests and to non-aeronautical interests that may be affected by the proposal. One letter of objection was received as a result of the circularization.

The Solano County Airport Land Use Commission (County) submitted comments that may not necessarily be an "objection" but rather statements. Some of their statements are simply repeating applicable law / rule / orders. They stated that these would be the tallest wind turbines in the area and larger than other onshore turbines elsewhere. Also stated was a belief that these have electromagnetic effects on radar. One statement said they "have seen information that conflicts" with the preliminary analysis of not exceeding TPA. Instead of submitting that stated information, a request was made for the FAA to see if any other obstruction standard was exceeded.

We are not sure what to make of the statement about these being the tallest in the area. Simply being taller than other structures has never been, nor will it ever be, the sole indicator of whether the structure would present an unacceptable impact upon the safe and efficient use of the navigable airspace.

The letter left the impression that the County believes exceeding one or more of the obstruction standards of 14 CFR Part 77 is reason enough to determine the proposal to be a hazard. That is not the case. It is the result of the aeronautical study that determines whether the structure would be a hazard or no hazard to air navigation. We will always compare proposed structures against all of the obstruction standards but will not circularize the standards that are not exceeded nor any standards and/or effects that are beyond the scope of the public to provide information about.

Records indicate that O88 has approximately 35,000 operations per year primarily from CAT A and B general aviation aircraft. All except one of the proposed turbines lie beyond the TPA for all RWYs and aircraft categories. That one proposal is on the edge of the RWY 15/33 TPA for CAT D, but at 2,199 feet long, this

RWY is incapable of sustaining CAT D aircraft operations. The size of the TPA is based upon the aircraft that regularly use a particular RWY. The preliminary assessment of not exceeding TPA has been confirmed.

Note: Aircraft categories are based on approach speed, CAT A = less than 91 knots, CAT B = 91- 120 knots, CAT C = 121-140 knots, CAT D = 141-165 knots.

The County submitted a lot about radar effects. Wind turbines rarely, if ever create "electromagnetic" interference. If they are within the line of sight of a radar sensor, they may be detected by that sensor and may therefore be a physical interference. Simply being "seen" by the radar is not the real issue though. How that target (in this case, the wind turbine) is processed and displayed for ATC is the key. The users of the system (ATC) is the sole decider on whether the system is acceptable to be able to perform their duties. Although there may be others entities using these radar systems, the responsibility and authority of the FAA is the safe and efficient use of the navigable airspace, including the impact of the radar effects on air navigation.

The turbines would be within the line of sight of the Stockton, CA. (SCK) ASR-11, the Travis (SUU) DASR, the Mill Valley (QMV) ARSR-4, and the McClellan (MCC) ASR-9 facilities. However, this would not cause an unacceptable adverse impact on ATC operations at this time.

The aeronautical study disclosed that the proposed structures would have the adverse effect as described above on the NCT MVA. MVAs are solely used by ATC and not published for public use and are not circulated for public comment. The study disclosed that increasing the MVA in the area of the turbines would not impact a significant number of operations. The proposed structures would have no other effect on any existing or proposed arrival, departure, or en route IFR operations or procedures.

Study for possible VFR effect disclosed that the proposals would have no effect on existing or proposed VFR arrival or departure operations. As stated above, the proposals are beyond normal traffic pattern airspace. Therefore, the proposal would not have an adverse effect on VFR traffic pattern operations at O88, or any other known public use or military airports. At 591 feet AGL, the structures would extend upwards into altitudes commonly used for en route VFR flight; however, no information was received to indicate they would be located along a regularly used VFR route or that they would pose a problem for pilots operating en route. Therefore, they would not have a substantial adverse effect on en route VFR flight operations.

The proposed structures would be appropriately obstruction marked/lighted to make them more conspicuous to airmen should circumnavigation be necessary.

The cumulative impact of the proposed structures, when combined with other proposed and existing structures, is not considered to be significant. Study did not disclose any significant adverse effect on existing or proposed public-use or military airports or navigational facilities, nor would the proposals affect the capacity of any known existing or planned public-use or military airport.

Therefore, it is determined that the proposed construction would not have a substantial adverse effect on the safe and efficient utilization of the navigable airspace by aircraft or on any air navigation facility and would not be a hazard to air navigation providing the conditions set forth in this determination are met.

Additional conditions:

As a condition of this determination it is required that Notice of Actual Construction or Alteration (7460-2 Part 1) be E-filed at least 60 full days prior to the start of construction so that appropriate action can be taken to amend the effected procedure(s) and/or altitude(s).

